



Ramco Aviation Solution

Version 5.7.1

Enhancement Notification

Maintenance

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WHAT'S NEW IN WORKSPACES?

Aircraft Execution Workspace

Reference: AHBE-3089

Background

In conventional mode, a user is required to select Business Process, Component and Activity to view or manage data. Viewing various aspects of a transaction was a time costly affair. For better management and visualization of data, Ramco provides Workspaces.

Workspaces are akin to dashboards and help the user to have an overview of all the information that the user needs to know, which is defaulted, for decision making / data capture. Workspaces are designed in such a way that only the important and relevant information is presented to the user so that he can complete the work faster and gives a superior end-user experience.

Aircraft Execution Workspace empowers the field mechanics to quickly review Aircraft Maintenance Execution done on an Aircraft with an experience that's both enriching and effective.

Change Details

A new workspace titled **Aircraft Execution Workspace** has been added to the list of workspaces. On login, the user can click on the 'Aircraft Execution' button to invoke the workspace.

Exhibit – 1:

Invoking the Aircraft Execution Workspace



Note: If the Aircraft Execution Workspace is not visible in the buttons above, click the down arrow mark button to get the list of all Workspaces in the system.

The Aircraft Execution Workspace has two different views:

1. Simple View
2. Detailed View

A. Simple View Overview

The Simple View of the **Aircraft Execution Workspace** consists of the following sections:

1. Search section.
2. Filter section.
3. Package List section.
4. Package Details section.
5. Package Creation section.
6. Chart section.
7. Links section.

Exhibit – 2:
Simple View Overview

The screenshot shows the Aircraft Execution Workspace interface. It is divided into several sections:

- Search Section (1):** Located at the top left, it includes a search box with a dropdown menu for 'My Base' and 'All Bases', and a 'Search' button.
- Execution Progress (2):** Located at the top center, it shows filters for 'Execution Progress' and 'Exceptions', and a summary of counts: All (67), Not Started (23), In-Progress (37), and Completed (0).
- Package List (3):** A table listing packages with columns for S. #, A/C #, Package #, Description, Task Count, % Task Completed, Plan Start Date, Plan End Date, Customer Name, and CLS?.
- Package Details (4):** A detailed view of a package, showing fields for A/C, Chennai Hangar, Package #, Priority, Package Status, Hold Status, Package Type, Description, Cust. Order #, Cust. Name, Package Type, Log card, CoM Req?, No, Plan Start, Plan End, Actual Start, and Actual End.
- Create New Package (5):** A button in the top right corner.
- Available vs Load (Weekly) (6):** A bar chart showing hours available versus load for different workcenters.
- Action Links (7):** A list of links for 'Assignees', 'View Maintenance Log', and 'Time Tracking'.

Search Section

On Workspace launch, the Package List section will retrieve all open/planned Packages that are being performed/to be performed in the login user's base (Primary Work Center mapped to the Login user).

The search section provides the ability to filter the results in the Package List section by providing any one of these inputs:

1. A/C Reg #.
2. A/C Model #.
3. Work Center #.
4. Customer #.

Once any one of the above inputs is entered, the user can click the **Search** button next to the text box or just press the *Enter* key.



Note: Partial data is accepted as input. You can enter VT-A and click Enter and system will bring up the Packages for all the search criteria that have a match with the input. Results may include from A/C Reg # VT-ABC and VT-AAA.

Clicking on the **My Base** radio button will only retrieve the Packages in the Package List section that are being executed/to be executed in the login user's base (primary work center of the login user).

Clicking on the **All Base** radio button will retrieve all Packages in the Package List section regardless of the login user's base.

Filter Section

The filter section enables the user to filter the Packages in the Package List either by Package Status or by whether packages have pending requests or return or open tasks.

If **Execution Progress** is clicked, the Workspace will give the user the option to filter the Packages in the Package List by the following filters:

1. All
2. Not Started
3. In-Progress
4. Completed

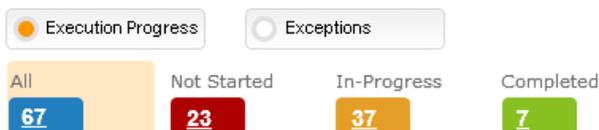
Clicking any of these filters will automatically filter the Packages in the Package List showing only the packages that match the currently selected filter criteria.

1. **All** will show all Packages regardless of the Package Status. This is the default selected option.
2. **Not Started** will show only the Packages that have the Package Status as '**Planned**'.
3. **In-Progress** will show only the Packages that have the Package Status as '**In-Progress**'.
4. **Completed** will show only the Packages that have the Package Status as '**Completed**'.

Example: As seen in the below screenshot, if the Completed filter is clicked, the Packages List section will only show the 7 packages that are in completed status.

Exhibit – 3:

Execution Progress filter



1. All
2. Open Requests
3. Request Pending
4. Pending Return
5. Open Tasks
6. Open Discrepancies

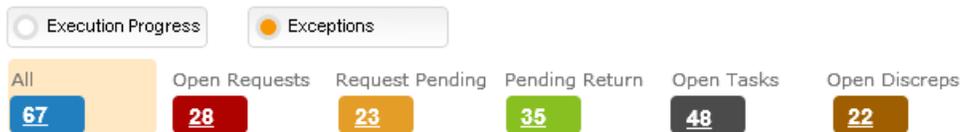
Clicking any of these filters will automatically filter the Packages in the Package List showing only the packages that match the currently selected filter criteria.

1. **All** filter will show all Packages regardless of the Package Status. This is the default selected option.
2. **Open Requests** filter will show only the Packages that have Material Requests in **Confirmed** status but Issue has not been done yet.
3. **Request Pending** filter will show only the Packages that have Material Requests saved but **not yet confirmed**. That is, the Material Request is not yet generated and is in **Request Pending** status.
4. **Pending Return** filter will show only the Packages that have material to be returned. This can either be **Excess Return** or **Core Return**.
5. **Open Tasks** filter will show only the Packages that have Tasks in **Planned/In-Progress** status.
6. **Open Discrepancies** filter will show only the Packages that have Discrepancies in **UnderResolution** status.

Example: As seen in the below screenshot, if the Open Discreps filter is clicked, the Packages List section will only show the 22 packages that have open discrepancies in them.

Exhibit – 4:

Exceptions Progress filter



Note: The count displayed in the filters is the number of packages that match the filter criteria and do not stand for the actual number of filter description. That is, in the above screenshot, Open Discreps (22) means there are 22 packages in the Package List section that have open discrepancies in them and NOT the actual count of Open Discrepancies across the Packages.

Package List Section

On Workspace launch, the Package List section will retrieve all open/planned Packages that are being performed/to be performed in the login user's base.

As per the user input in the Search section and the Filter section, the Package List section will display only the relevant results.

The Package List section also provides the ability to filter the results in the Package List section by providing any one of these inputs:

1. A/C Reg #.
2. A/C Model #.
3. Work Center #.
4. Package #.
5. Package Status.
6. Package Description.
7. Package Type.
8. Customer Order #.
9. Customer #.

Once any one of the above inputs is entered, the user can click the **Search** button next to the text box or just press the *Enter* key.

If the '**Include Closed**' option is checked, the search results will include Packages in '**Closed**' status. If the option is unchecked (as default), the search results will not show Packages in '**Closed**' status.

 *Note: The search facility in the Search section, the filter facility in the Filter section and the search facility in Package List section can all be used together in tandem but only in this exact order.*

The Packages are listed in a multiline. Clicking on the Package # will transfer the Package details to the Package Details section.

Exhibit – 5:
Package List section

Package List

Include Closed

S	A/C #	Package #	Description	Task Count	% Task Completed	Plan Start Date	Plan End Date	Status	Work Center	Package Type	Priority	CLS?
1	VT-TEST	VP-000448-2013	Inspection	4	0	14/08/2013	30/09/2013	In-Progress	TEST-WC	Line Package	F Check1	No
2	VT-TEST	VP-000451-2013		3	66	14/08/2013	17/09/2013	In-Progress	TEST-WC	Log card	AOG	No
3	VT-TEST	VP-000453-2013		1	100	14/08/2013	14/08/2013	Completed	TEST-WC	Visit Package	AOG	No
4	VT-TEST	VP-000455-2013		7	28	16/08/2013	30/09/2013	In-Progress	TEST-WC	Line Package	AOG	No

Page 1

Note: Partial data is accepted as input. You can enter 902 and click Enter and system will bring up the Packages for all the search criteria that match with the input. A Package # VP-000902-2013 will be shown. And all Packages under an Aircraft Reg # A902C will be shown. Packages with Customer Order # 1290212 will be shown.

Package Details Section

On Workspace launch, Package Details section will be empty. On selection of a Package # from the Package List section, the selected Package Details will be shown in the Package Details section.

This section has all the details of the selected package.

On click of the **Package #** hyperlink in this section, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted.

The **Open Req** link will show the count of Material Requests in the package that are in confirmed status but no issue has been done against them yet. On click of this link, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted. The **Material Request tab** is also defaulted.

The **Req Pend.** link will show the count of Material Requests in the package that are saved but not yet confirmed. On click of this link, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted. The **Material Request tab** is also defaulted.

The **Pend. Part Chg** link will show the count of Component Replacements in the package that are saved but not yet confirmed. On click of this link, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted. The **Component Replacement tab** is also defaulted.

Exhibit – 6:

Package Details section

The **Open Disps.** link will show the count of Discrepancies in the package that are in **UnderResolution** status. On click of this link, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted. The **Discrepancy tab** is also defaulted.

The **Open Tasks** link will show the count of Tasks in the package that are in **Planned/In-Progress** status. On click of this link, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted. The **Work Information tab** is also defaulted.

Note: The Detailed view, which is launched on click of the Detailed View button, will be discussed later in this document.

Package Creation Section

The user can type the A/C Reg # in the text box provided in this section and click the **Create** button. **Record Aircraft Maintenance Execution Details** page is automatically opened for the entered aircraft with the Due Items tree invoked. The user can select any Task / Discrepancy from the Due List, select a Work Center in the header and click on the **Save** button to create the Package.

Exhibit – 7:

Package Creation section



Chart Section

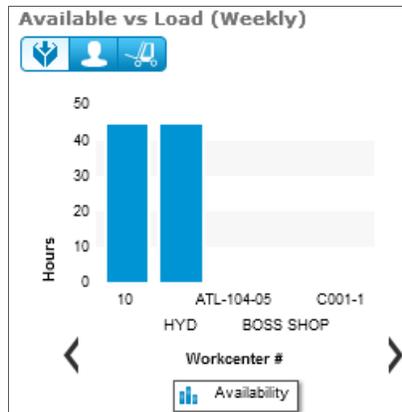
The chart section will display three types of charts at all times:

1. Work centre load.
 - o X axis: Work Centers for which login user has access.
 - o Y axis: Man Hours
2. Resource load.
 - o X axis: Employees associated to the Work Center.
 - o Y axis: Man Hours
3. Facility load.
 - o X axis: Facility # associated with the Work Centre.
 - o Y axis: Hours

 *Note: Each chart will hold 5 values in the X axis. A traversal button is added to view the remaining values.*

Exhibit – 8:

Chart section



Links Section

The Links section provides quick access to the pages via the following links:

Action Links

1. Assign Employees.
2. View Maintenance Log.
3. Time Tracking.
4. Issue CoM.
5. Upload Documents.

Reports

6. Maintenance Due Report.

1. **Assign Employees** link will open the **Manage Work Assignments and Reporting** page. A/C Reg # and Package # will be defaulted in their respective places. **Manage Employee Work** tab will also be defaulted.
2. **View Maintenance Log** link will open the **View Maintenance Log** page for the selected A/C Reg #.
3. **Time Tracking** link will open the **Time Tracking** page with the Package # defaulted in the Search By text box.
4. **Issue CoM** link will open the **Issue Certificate of Maintenance** page for the selected Package #.
5. **Upload Documents** link will open the **Upload Documents** page with the Package # defaulted. The user can upload documents against the Package #.
6. **Maintenance Due Report** link under the Reports tab will launch the **Maintenance Due Report** page.

Note: If the login user does not have permission to access any of the above mentioned pages, those links will be hidden from view in the Workspace.

B. Simple to Detailed View

To open the Detailed View, follow the steps below:

1. Launch the Workspace.

Aircraft Execution Workspace

Search: My Base (selected) All Base. Search: A/C Reg#, Model#, Workcenter#, Ci. Execution Progress: All (1139), Not Started (686), In-Progress (287), Completed (166). Exceptions: []

Package List

S.	A/C #	Package #	Description	Task Count	% Task Completed	Plan Start Date	Plan End Date	Customer Name	CLS?	
1	1000	RON-000001-2...		10	20	07/05/2013	07/08/2013		No	In-Pr
2	VT-ABC	RON-000002-2...		1	0	13/05/2013	03/07/2013		No	In-Pr
3	VT-ABC	RON-000003-2...		0	0	13/05/2013	13/05/2013		No	Plan
4	VT-ABC	RON-000004-2...		2	0	15/05/2013	14/06/2013		No	In-Pr

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Detailed View

A/C: [] Package #: [] Priority: [] Package Status: Hold Status Est. Status: []

Package Type: [] ColM Req?: [] Plan Start: [] Description: [] Plan End: [] Cust. Order #: [] Actual Start: [] Cust. Name: [] Actual End: []

Open Req. Req. Pend. Pend. Part Chg. Open Disps. Open Tasks

Available vs Load (Weekly)

Action Links: Reports

- Assign Employees
- View Maintenance Log
- Time Tracking

Enhancement Notification

2. Type in the A/C Reg # in the Search section and press Enter. User filters if needed.

Aircraft Execution Workspace

Search: My Base All Base VT-TEST

Execution Progress: Execution Progress Exceptions

All: 67 Not Started: 23 In-Progress: 37 Completed: 7

Package List

A/C Reg#, Model#, Workcenter#, Package#, Status, Description, Include Closed

S.	A/C #	Package #	Description	Task Count	% Task Completed	Plan Start Date	Plan End Date	Customer Name	CLS?	
1	VT-TEST	VP-000448-2013	Inspection	4	0	14/08/2013	30/09/2013		No	In-Pr
2	VT-TEST	VP-000451-2013		3	66	14/08/2013	17/09/2013		No	In-Pr
3	VT-TEST	VP-000453-2013		1	100	14/08/2013	14/08/2013		No	Compl
4	VT-TEST	VP-000455-2013		7	28	16/08/2013	30/09/2013		No	In-Pr

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A/C: Package #: Package Status: Est. Status:

Package Type: Description: Cust. Order #: Cust. Name:

CoM Req?: Plan Start: Plan End: Actual Start: Actual End:

[Open Req.](#) [Req. Pend.](#) [Pend. Part Chg](#) [Open Disps.](#) [Open Tasks](#)

Create New Package

A/C #

Available vs Load (Weekly)

- Assign Employees
- View Maintenance Log
- Time Tracking

3. Type in a part of the Package # to filter the results and press Enter.

Aircraft Execution Workspace

Search: My Base All Base VT-TEST

Execution Progress: Execution Progress Exceptions

All: 67 Not Started: 23 In-Progress: 37 Completed: 7

Package List

902 Include Closed

S.	A/C #	Package #	Description	Task Count	% Task Completed	Plan Start Date	Plan End Date	Customer Name	CLS?	
1	VT-TEST	VP-000902-2014		12	41	10/02/2014	01/06/2014		No	In-Pr

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A/C: Package #: Package Status: Est. Status:

Package Type: Description: Cust. Order #: Cust. Name:

CoM Req?: Plan Start: Plan End: Actual Start: Actual End:

[Open Req.](#) [Req. Pend.](#) [Pend. Part Chg](#) [Open Disps.](#) [Open Tasks](#)

Create New Package

A/C #

Available vs Load (Weekly)

- Assign Employees
- View Maintenance Log
- Time Tracking

4. Click the Package # from the Package List.

The screenshot shows the Aircraft Execution Workspace interface. At the top, there's a search bar with 'VT-TEST' entered. Below it, a 'Package List' table is displayed. The first row is highlighted in blue and contains the following data: S. 1, A/C # VT-TEST, Package # VP-000902-2014, Description, Task Count 12, % Task Completed 41, Plan Start Date 10/02/2014, Plan End Date 01/08/2014, Customer Name, and CL? No. A red arrow points from the instruction to the 'Package #' column of this row. Below the table, there are buttons for 'Detailed View' and 'Hold Status'. To the right, there are summary statistics for 'Not Started' (23) and 'In-Progress' (37) tasks.

5. Now Click the Detailed View button.

The screenshot shows the Detailed View for package VP-000902-2014. A red arrow points from the 'Detailed View' button in the previous screenshot to the 'Detailed View' button in this screenshot. A text box with a black border and white background says 'Detailed View is launched for the selected Package #'. The interface shows various tabs like 'Task', 'Parts', 'Replacements', and 'Discrepancy'. Below the tabs, there are summary statistics for 'Open Requests' (0), 'Pending Requests' (0), 'Return Pending' (1), 'Part Change' (0), and 'Open Tasks' (2). At the bottom, there's a table with columns for TS, HS, ES, P, RP, R, T, Task #, Description, Next Step, SignOff Sts, ATA #, PI Start Date, Act. Start Date, PI End Date, Act. End Date, Cost, and File Name.

6. Click the small  button next to the Package # to return to the Simple View.

C. Detailed View Overview

The Detailed View of the Aircraft Execution Workspace consists of the following sections:

1. Package Details section.
2. Filter section.
3. Tabs section.
 - 3.1. Task Tab.
 - 3.2. Parts Tab.
 - 3.3. Replacements Tab.
 - 3.4. Discrepancy Tab.
4. Links section.

Exhibit – 10:

Detailed View Overview

Aircraft Execution Workspace

The screenshot displays the 'Aircraft Execution Workspace' interface. At the top, there is a search bar with 'VT-TEST' entered and a 'Search' button. To the right, there are filters for 'Execution Progress' and 'Exceptions'. Below these, a summary shows 67 'All' items, 23 'Not Started', 37 'In-Progress', and 7 'Completed'. A 'Create New Package' button is visible in the top right corner. The main section is titled 'Package List' and shows 'Package #: VP-000902-2014'. Below this, the 'Package Details Section' is visible, including fields for 'A/C', 'Chennai Hangar', 'Description', 'Package Type', 'Log card', 'CoM Req.?', 'Plan Start', 'Actual Start', 'Plan End', and 'Actual End'. A table with columns 'TS', 'HS', 'ES', 'P', 'RP', 'R', 'T', 'Task #', 'Description', 'Next Step', 'SignOff Sts', 'ATA #', 'PI Start Date', 'Act. Start Date', 'PI End Date', 'Act. End Date', 'Cost', and 'File Name' is shown. Below the table are buttons for 'All', 'Open Requests', 'Pending Requests', 'Return Pending', 'Part Change', and 'Open Tasks'. At the bottom, there are buttons for 'Edit Task', 'Add Task', 'Request Part', 'Change Parts', and 'Return Parts'. Red numbers 1, 2, 3, and 4 are overlaid on the interface to highlight specific areas.

Package Details Section

The Package Details section in the Detailed View is similar to the Package Details section found in the Simple View.

This section has all the details of the selected package.

On click of the **Package #** hyperlink in this section, **Record Aircraft Maintenance Execution Details** page is opened and A/C Reg # and Package # is automatically defaulted.

Note: All Popup windows that open when the button or the button or the button is clicked are currently not functional and will be made functional in a future software update.

Filter Section

The Filter section enables the user to filter the results in the Task/Parts/Replacements/Discrepancy tabs with respect to certain filter criteria.

The following filters are available in the Task tab:

1. All.
2. Open Requests.
3. Pending Requests.
4. Return Pending.
5. Part Change.
6. Open Tasks.

Clicking any of these filters will automatically filter the Tasks in the **Task tab** showing only the Tasks that match the currently selected filter criteria.

1. **All** filter will show all the Tasks in the Package. This is the default selected option.
2. **Open Requests** filter will show only the Tasks that have Material Requests in **Confirmed** status but Issue has not been done yet.
3. **Pending Requests** filter will show only the Tasks that have Material Requests saved but **not yet confirmed**. That is Material Request is not yet generated and it is in Request Pending status.
4. **Return Pending** filter will show only the Tasks that have material to be returned. This can either be **Excess Return** or **Core Return**.
5. **Part Change** filter will show only the Tasks that have pending Component Replacement transactions that are not yet confirmed.
6. **Open Tasks** filter will show only the Tasks that are in **Planned/In-Progress** status.

Exhibit – 11:
Task tab Filters

The screenshot shows the 'Task' tab interface with several filter buttons: All (4), Open Requests (0), Pending Requests (0), Return Pending (1), Part Change (0), and Open Tasks (2). Below the filters is a table with columns: TS, HS, ES, P, RP, R, T, Task #, Description, Next Step, SignOff Sts, ATA #, PI Start Date, Act. Start Date, PI End Date, Act. End Date, Cost, and File Name. The table contains four rows of task data.

TS	HS	ES	P	RP	R	T	Task #	Description	Next Step	SignOff Sts	ATA #	PI Start Date	Act. Start Date	PI End Date	Act. End Date	Cost	File Name
IP	N	NR					NST-000053-2014	Test123	Return	Pending	00-00	10/02/2014		10/02/2014	03/03/2014	0.00	
CL	N	NR					NST-000054-2014	Test124		Signed-off	00-00	10/02/2014	03/03/2014	10/02/2014	03/03/2014	0.00	
CM	N	NR					NST-000055-2014	Test125	Complete/Close	Signed-off	00-00	11/02/2014	03/03/2014	11/02/2014	03/03/2014	0.00	
IP	N	NR					NST-000058-2014	Testing123	Confirm Booking	Not Required	00-00	03/03/2014		03/03/2014	11/03/2014	0.00	

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[Edit Task](#)
[Add Task](#)
[Request Part](#)
[Change Parts](#)
[Return Parts](#)

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The following filters are available in the Parts tab:

1. All.
2. Open Request.
3. Request Pending.
4. Pending Return.

Clicking any of these filters will automatically filter the Parts in the **Parts tab** showing only the Parts that match the currently selected filter criteria.

1. **All** filter will show all the Parts that are issued/requested/removed in the Package. This is the default selected option.
2. **Open Request** filter will show only the Parts that have been requested with a Material Request which is in **Confirmed** status but Issue has not been done yet.
3. **Request Pending** filter will show only the Parts that have been requested with a Material Request that is saved but **not yet confirmed**. That is, the Material Request for the part is not yet generated and is in **Request Pending** status.
4. **Pending Return** filter will show only the Parts that are yet to be returned against the package. This can either be **Excess Return** or **Core Return**.

Exhibit – 12:

Parts tab Filters

The screenshot shows the 'Parts' tab interface. At the top, there are tabs for 'Task', 'Parts', 'Replacements', and 'Discrepancy'. Below the tabs, there are filter buttons: 'All' (10), 'Open Request' (1), 'Request Pending' (1), and 'Pending Return' (2). There is also a checkbox for 'Include Removed parts' and a 'Legend' dropdown. The main table has columns: S, R, Task #, Part#, New Part?, Req Qty, Iss. Qty, Used Qty, Next step, Retd. Qty, Pend. Ret., Pend. Ret. Core, WH #, Stk Sts, MR#, Req. Priority, Issued Part, Issue#, Issue basis, and an action icon. The table contains 5 rows of data.

S	R	Task #	Part#	New Part?	Req Qty	Iss. Qty	Used Qty	Next step	Retd. Qty	Pend. Ret.	Pend. Ret. Core	WH #	Stk Sts	MR#	Req. Priority	Issued Part	Issue#	Issue basis	
		NST-000053-	1465M11G04-S50	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000115-	Normal	ENGINE	MIS-	Core	
		NST-000054-	563-S2	No	2.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000121-	Normal	MT4,5,6,9	MIS-	Core	
		NST-000054-	563-S2	No	2.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000121-	Normal	MT4,5,6,9	MIS-	Core	
		NST-000053-	563-S2	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000122-	Normal	MT4,5,6,9	MIS-	Core	
		NST-000053-	563-S2	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000122-	Normal	MT4,5,6,9	MIS-	Core	
		NST-000053-	563-S2	No	1.00	1.00	1.00	Return	0.00	0.00	1.00	0123	Owned	MR-000132-	Normal	MT4,5,6,9	MIS-	Core	

The following filters are available in the Replacements tab:

1. All.
2. Pending Part Changes.
3. Completed Part Change.
4. Force Part Change.

Clicking any of these filters will automatically filter the Replacements in the **Replacements tab** showing only the Replacements that match the currently selected filter criteria.

1. **All** filter will show all the Component Replacements done in the Package. This is the default selected option.
2. **Pending Part Changes** filter will show only the Component Replacements that are still pending and not yet confirmed.
3. **Completed Part Change** filter will show only the Component Replacements that are in **Confirmed** status.
4. **Force Part Change** filter will show only the Component Replacements that are done with the Record Mode set as '**Force Part Change**'.

If **Include Removed Parts** checkbox is checked, the multiline will display the parts that were removed via a Component Replacement transaction. This checkbox is unchecked by default.

Exhibit – 13:

Replacements tab Filters

S	R	Task #	Rem. Part#/Serial#	Att. Part#/Serial #	Next Step	ATA#	Condition	Conf. Failure?	Rec. Mode	Acc. Ref#	Reason	Remarks	Date/Time	Serial/Lot/Type
		123/321	0-0511-3-0001:99DND /			00-00	Serviceable		Normal		RMV008	test	3/3/2014	EXISTING
		NST-000053-2014		563-S2 / 563-S2-03					Normal				3/3/2014	EXISTING
		123/902	0-0511-3-0001:99DND /		Return		Serviceable		Normal		RMV008	Test	3/3/2014	NEW
		123/906			Return		Serviceable		Normal		RMV017	test	3/7/2014	EXISTING
		123/906			Confirm CR		Serviceable		Normal		RMV005	Test	3/12/2014	EXISTING

The following filters are available in the Discrepancy tab:

1. All.
2. Open Requests.
3. Pending Requests.
4. Return Pending.
5. Part Change.
6. Open Discreps.

Clicking any of these filters will automatically filter the Discrepancies in the **Discrepancy** tab showing only the Discrepancies that match the currently selected filter criteria.

1. **All** filter will show all the Discrepancies in the Package. This is the default selected option.
2. **Open Requests** filter will show only the Discrepancies that have Material Requests in **Confirmed** status but Issue has not been done yet.

Enhancement Notification

3. **Pending Requests** filter will show only the Discrepancies that have Material Requests saved but **not yet confirmed**. That is, the Material Request is not yet generated and is in **Request Pending** status.
4. **Return Pending** filter will show only the Discrepancies that have material to be returned. This can either be **Excess Return** or **Core Return**.
5. **Part Change** filter will show only the Discrepancies that have pending Component Replacement transactions that are not yet confirmed.
6. **Open Discreps** filter will show only the Discrepancies that are in **UnderResolution** status.

Exhibit – 14:

Discrepancy tab Filters

RS	HS	ES	P	RP	R	T	Description	Next Step	LogItem#	Sign Off ...	AT...	Part#	Seri...	Type	Discrepancy #	Def. Type	Deferral. By	Defrd Till Date	Last Corr. Action
CL	N	NR					Test321		123/321	Signed-off	00-00			MIREP	123/321				test
UR	N	NR					Test 902	Return	123/902	Not	00-00			MIREP	123/902				
UR	N	NR					903 Test	Book Time Sheet	123/903	Not	00-00			MIREP	123/903				
UR	N	NR					904 Test	Authorize Booking	123/904	Not	00-00			PIREP	123/904				

Tabs Section

The Detailed View of the Aircraft Execution Workspace is split into four tabs for easier navigation between different entities.

The following tabs are available in the Detailed View:

1. Task.
2. Parts.
3. Replacements.
4. Discrepancy.

The **Task tab** displays all the Tasks in the Package in the multiline providing a variety of information.

The following are the multiline columns in the Task tab:

1. Task Status (TS).
2. Hold Status (HS).
3. Estimation Status (ES).
4. Pending Issue (P).
5. Request Pending (RP).

6. Return Pending (R).
7. Timesheet Status (T).
8. Task #.
9. Task Description.
10. Next Step (will be discussed later in this document).
11. Sign-Off Status.
12. ATA #.
13. Planned Start Date.
14. Actual Start Date.
15. Planned End Date.
16. Actual End Date.
17. Cost.
18. File Name.

Exhibit – 15:

Task tab

The screenshot shows a software interface for the 'Task' tab. At the top, there are navigation tabs: 'Task', 'Parts', 'Replacements', and 'Discrepancy'. Below these are several summary buttons: 'All' (4), 'Open Requests' (0), 'Pending Requests' (0), 'Return Pending' (1), 'Part Change' (0), and 'Open Tasks' (2). A 'Legend' dropdown is also present. The main area contains a table with the following data:

TS	HS	ES	P	RP	R	T	Task #	Description	Next Step	SignOff Sts	ATA #	PI Start Date	Act. Start Date	PI End Date	Act. End Date	Cost	File Name
IP	N	NR					NST-000053-2014	Test123	Return	Pending	00-00	10/02/2014		10/02/2014	03/03/2014	0.00	
CL	N	NR					NST-000054-2014	Test124		Signed-off	00-00	10/02/2014	03/03/2014	10/02/2014	03/03/2014	0.00	
CM	N	NR					NST-000055-2014	Test125	Complete/Close	Signed-off	00-00	11/02/2014	03/03/2014	11/02/2014	03/03/2014	0.00	
IP	N	NR					NST-000058-2014	Testing123	Confirm Booking	Not Required	00-00	03/03/2014		03/03/2014	11/03/2014	0.00	

Below the table, there is a 'Page 1' indicator and a set of navigation links: 'Edit Task', 'Add Task', 'Request Part', 'Change Parts', and 'Return Parts'.

The **Parts tab** displays all the Parts that are issued/requested/removed in the Package in the multiline providing a variety of information.

The following are the multiline columns in the Parts tab:

1. Status (S).
2. Return Pending (R).
3. Task #.
4. Part #.
5. New Part?
6. Req. Quantity.
7. Issue Quantity.
8. Used Quantity.
9. Next Step.
10. Returned Quantity.
11. Pending Return.
12. Pending Core Return.
13. Warehouse #.
14. Stock Status.
15. Material Request #.
16. Request Priority.
17. Issued Part.

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18. Material Issue #.
19. Issue Basis.

Exhibit – 16:

Parts tab

S	R	Task #	Part#	New Part?	Req. Qty	Iss. Qty	Used Qty	Next step	Retd. Qty	Pend. Ret.	Pend. Ret. Core	WH #	Stk Sts	MR#	Req. Priority	Issued Part	Issue#	Issue basis
		NST-000053-	1465M11G04:S50	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000115-	Normal	ENGINE	MIS-	Core
		NST-000054-	563-S2	No	2.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000121-	Normal	MT4,5,6,9	MIS-	Core
		NST-000054-	563-S2	No	2.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000121-	Normal	MT4,5,6,9	MIS-	Core
		NST-000053-	563-S2	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000122-	Normal	MT4,5,6,9	MIS-	Core
		NST-000053-	563-S2	No	1.00	1.00	0.00		1.00	0.00	0.00	0123	Owned	MR-000122-	Normal	MT4,5,6,9	MIS-	Core
		NST-000053-	563-S2	No	1.00	1.00	1.00	Return	0.00	0.00	1.00	0123	Owned	MR-000132-	Normal	MT4,5,6,9	MIS-	Core

The **Replacements** tab displays all the Component Replacements done in the Package in the multiline providing a variety of information.

The following are the multiline columns in the Replacements tab:

1. Status (S).
2. Return Pending (R).
3. Task #.
4. Removed Part # / Serial #.
5. Attached Part # / Serial #.
6. Next Step.
7. ATA #.
8. Condition.
9. Confirmed Failure?
10. Record Mode.
11. Account Reference #.
12. Reason.
13. Remarks.
14. Date/Time.
15. Serial/Lot type.

Exhibit – 17:
Replacements tab

S	R	Task #	Rem.Part#/Serial#	Att. Part#/Serial #	Next Step	ATA#	Condition	Conf. Failure?	Rec. Mode	Acc. Ref#	Reason	Remarks	Date/Time	Serial/LotType	
		123/321	0-0511-3-0001:99DND /			00-00	Serviceable		Normal		RMV008	test	3/3/2014	EXISTING	↗
		NST-000053-2014		563-S2 / 563-S2-03					Normal				3/3/2014	EXISTING	↗
		123/902	0-0511-3-0001:99DND /		Return		Serviceable		Normal		RMV008	Test	3/3/2014	NEW	↗
		123/908			Return		Serviceable		Normal		RMV017	test	3/7/2014	EXISTING	↗
		123/908			Confirm CR		Serviceable		Normal		RMV005	Test	3/12/2014	EXISTING	↗

The **Discrepancy tab** displays all the Discrepancies in the Package in the multiline providing a variety of information.

The following are the multiline columns in the Discrepancy tab:

1. Record Status (RS).
2. Hold Status (HS).
3. Estimation Status (ES).
4. Pending Issue (P).
5. Request Pending (RP).
6. Return Pending (R).
7. Timesheet Status (T).
8. Discrepancy Description.
9. Next Step.
10. Sign-Off Status.
11. ATA #.
12. Part #.
13. Serial #.
14. Discrepancy Type.
15. Discrepancy #.
16. Deferral Type.
17. Deferral By.
18. Deferred Till Date.
19. Last Corrective Action.

Exhibit – 18:
Discrepancy tab

RS	HS	ES	P	RP	R	T	Description	Next Step	LogItem#	Sign Off ...	AT...	Part#	Seri...	Type	Discrepancy #	Def. Type	Defferal. By	Defrd Till Date	Last Corr. Action	
CL	N	NR					Test321		123/321	Signed-off	00-00			MIREP	123/321					test
UR	N	NR					Test 902	Return	123/902	Not	00-00			MIREP	123/902					
UR	N	NR					903 Test	Book Time Sheet	123/903	Not	00-00			MIREP	123/903					
UR	N	NR					904 Test	Authorize Booking	123/904	Not	00-00			PIREP	123/904					

Note: The multiline columns can be sorted in any user defined order.

Next Step Links

Next Step column in all the four tabs of the Detailed View provided a quick link to the next obvious action that can be done on a Task/Part/Replacement/Discrepancy.

The following table highlights when a certain Next Step link will be visible and what the Next Step link will do on click of the link from the workspace.

S. No.	Next Step link	Pre-Requisite?	On Click Action?
1	<i>Estimate</i>	Customer A/C and it should require estimation defined in Customer Order level	Edit Work Estimates page will launch for the Package #
2	<i>Confirm Estimate</i>	Record Estimates from the previous step but do not confirm it	Edit Work Estimates page will launch for the Package #
3	<i>Release Estimate</i>	Confirm Estimates from the previous step but do not release it	Edit Work Estimates page will launch for the Package #
4	<i>Confirm MR</i>	MR is saved but not confirmed	AME is launched for the A/C and Package with MR tab defaulted with the pending MR selected
5	<i>Confirm Issue</i>	MR is confirmed but issue is not done yet	Confirm Issue page is launched with necessary defaulting and auto-search
6	<i>Confirm CR</i>	CR is saved but not confirmed	AME is launched for the A/C and Package with CR tab defaulted with the pending CR selected

7	<i>Return</i>	<ol style="list-style-type: none"> 1. Material issued against the package and not used. OR 2. Part removed from A/C 	<p>Return Part Consumption & Return page is launched with necessary defaulting and auto-search.</p> <p>First tab is defaulted for excess material, second tab for CR removal</p>
8	<i>Book Time Sheet</i>	Started Clock and not yet stopped	Record Employee Timesheet page will be launched
9	<i>Confirm Booking</i>	Clock exists against the Task/DP and Set Option mandates Confirm Booking	Record Employee Timesheet page will be launched
10	<i>Authorize Booking</i>	Confirmed Time Sheet records exists against Task/DP and Set Option mandates Authorize Booking	WMC page is launched. A/C Reg #, Package # and Task # are defaulted. A/C Reg # is selected in the combo.
11	<i>Sign-Off</i>	Task/DP is pending for sign off	AME is launched for the A/C and Package with DP/WI tab defaulted with the pending DP/Task selected
12	<i>Defer/Close</i>	DP is signed off (or) Sign-Off Not Required	AME is launched for the A/C and Package with DP tab defaulted with the pending DP selected
13	<i>Complete/Close</i>	Task is signed off (or) Sign-Off Not Required	AME is launched for the A/C and Package with WI tab defaulted with the pending Task selected
14	<i>Blank</i>	Task status other than Planned (or) In-Progress (or) Completed	<i>Not Applicable</i>

Links Section

The Links section provides quick access to frequently used actions. They are available under the Task and Discrepancy tabs.

To invoke a link, select a Task or Discrepancy from the multiline and then click the required link.

 *Note: When a multiline is selected, it will turn light blue.*

The following links are available in the Task tab:

1. Edit Task.
2. Add Task.
3. Request Part.
4. Change Parts.
5. Return Parts.

Exhibit – 19:

Task tab Links

TS	HS	ES	P	RP	R	T	Task #	Description	Next Step	SignOff Sts	ATA #	PI Start Date	Act. Start Date	PI End Date	Act. End Date	Cost	File Name
IP	N	NR					NST-000053-2014	Test123	Return	Pending	00-00	10/02/2014		10/02/2014	03/03/2014	0.00	
CL	N	NR					NST-000054-2014	Test124		Signed-off	00-00	10/02/2014	03/03/2014	10/02/2014	03/03/2014	0.00	
CM	N	NR					NST-000055-2014	Test125	Complete/Close	Signed-off	00-00	11/02/2014	03/03/2014	11/02/2014	03/03/2014	0.00	
IP	N	NR					NST-000058-2014	Testing123	Confirm Booking	Not Required	00-00	03/03/2014		03/03/2014	11/03/2014	0.00	

Page 1

[Edit Task](#)
[Add Task](#)
[Request Part](#)
[Change Parts](#)
[Return Parts](#)

1. **Edit Task** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. The selected task will be defaulted in the **Work Information tab**.
2. **Add Task** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. **Work Information tab** is defaulted.
3. **Request Part** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. **Material Request tab** is defaulted for the selected task.
4. **Change Parts** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. **Component Replacement tab** is defaulted for the selected task.
5. **Return Parts** link will open the **Return Part Consumption & Return** page. A/C Reg # and Package # and the selected Task # is automatically defaulted. **Return Unconsumed Parts tab** is defaulted if there is excess material to be returned against the selected Task #, else the **Return Removed Cores tab** will be defaulted.

The following links are available in the Discrepancy tab:

1. Report Discrepancy.
2. Request Part.
3. Return Part.

Exhibit – 20:
Discrepancy tab Links

RS	HS	ES	P	RP	R	T	Description	Next Step	Logitem#	Sign Off ...	AT...	Part#	Seri...	Type	Discrepancy #	Def. Type	Defferal. By	Defrd Till Date	Last Corr. Action
CL	N	NR					Test321		123/321	Signed-off	00-00			MIREP	123/321				test
UR	N	NR					Test 902	Return	123/902	Not	00-00			MIREP	123/902				
UR	N	NR					903 Test	Book Time Sheet	123/903	Not	00-00			MIREP	123/903				
UR	N	NR					904 Test	Authorize Booking	123/904	Not	00-00			PIREP	123/904				

Report Discrepancy Request Part Return Part

1. **Report Discrepancy** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. **Discrepancy tab** is defaulted.
2. **Request Part** link will open the **Record Aircraft Maintenance Execution Details** page. A/C Reg # and Package # is automatically defaulted. **Material Request tab** is defaulted for the selected discrepancy.
3. **Return Part** link will open the **Return Part Consumption & Return** page. A/C Reg # and Package # and the selected Discrepancy # is automatically defaulted. **Return Unconsumed Parts tab** is defaulted if there is excess material to be returned against the selected Discrepancy #, else the **Return Removed Cores tab** will be defaulted.

Search facility in Technical Records Workspace

Reference: AHBF-385

Background

Search facility is required in **Technical Records** Workspace to facilitate the user to filter out desired aircraft from the fleet of aircraft.

This enhancement provides search facility in both **Fleet Overview** tab as well as **Detailed View** tab.

Change Details

Search facility is provided in both **Fleet Overview** tab as well as **Detailed View** tab. Refer exhibits below.

Exhibit 1: Fleet Overview Tab

The screenshot displays the 'Technical Record' interface with two tabs: 'Fleet Overview' and 'Detailed View'. The 'Fleet Overview' tab is active, showing a table of aircraft records. A search bar is located above the table with the text 'Search On A/C Reg #, Model #, MSN #, Customer #'. A callout points to the search bar with the text: 'Search On' section added to filter the multiline based on following: A/C Reg #, Model #, MSN #, Customer #. Another callout points to the 'Fleet Overview' tab with the text: 'Aircraft' tab renamed to 'Fleet Overview'. A third callout points to a link in the bottom navigation bar with the text: 'Maint. Discp. Info.' link added to Fleet Overview tab. The table contains columns for Model #, A/C Reg. #, MSN #, Condition, Latest J.L. Date, Rem. Times Cal., Rem. Times FH, and Rem. Times F. The 'Maint. Object Details' panel on the right shows details for aircraft 737ER, including 'Current Time' and 'Next Due' sections.

Model #	A/C Reg. #	MSN #	Condition	Latest J.L. Date	Rem. Times Cal.	Rem. Times FH	Rem. Times F
737ER	VT-AAA		Operational	13 May 2014 03:00:00	10409D 19M	FH : -1503.59 HR	FC : -2 CYCL
737ER	VT-KAA			01 Jan 2011 02:01:00			
	VT-NDK			01 May 2014 02:00:00			
	VTASD						
	MXTES						
	10898						
	10LX						
A310	AI-110						
A310	DD-1				72D 17H 20M		
A310	DD-10						
A310	DD-2				162D 17H 20M	FH : 10.00 HR	FC : 10 CYCL

Note: Detailed View tab can be viewed just by clicking Detailed View tab or by clicking Review Icon in Fleet Overview tab

Enhancement Notification

Exhibit 2: Detailed View Tab

Search section introduced to search an aircraft from Detailed View tab.

Dynamic text box is added in Detailed View tab to display the Aircraft Reg #, Model # and Customer #.

Position	Description	Part #	Serial #	TSN/CSN
LW	OU:PART-1	OU:PART-1		
RW	OU:PART-2	OU:PART-2		

Description	Task #	Prog. Item Type	Interval	Tolerance	Last Performed	Next Due

WHAT'S NEW IN AIRCRAFT?

Average Utilization Scheduler Computation Based on Flight Days

Reference: AHBF-1759

Background

The user-defined average daily utilization value for the parameters may not be precise and hence system computes and updates the value through a scheduler. The average value was calculated based on the number of parameter value entries. Instead of this, number of flight days will be used to arrive at the daily average utilization value.

Currently in Ramco, Average daily utilization for the parameters will be computed only for three Months. In some business scenarios, Average Daily Utilization needs to be computed for twelve months.

Change Details

With this new enhancement, a new set option has been added in Define Process entities activity. User can define the Months to be considered for computing Average Daily Utilization.

Process Parameter: 'Range in Months to be considered for Average Utilization Computation scheduler'

Permitted Values: Enter a Positive Integer Value

Value: No. of months to be considered for Average Daily Utilization Value computation.

Exhibit 1:

The screenshot displays the 'Set Process Parameters' application interface. At the top right, the user is identified as 'DMUSER - ABC Limited - ABC Role'. The main title is 'Set Process Parameters'. Below this, the 'Entity Details' section shows 'Entity Type' as 'Maint. Program and Forecasting Options' and 'Entity' as 'Avg. Util. Compn. Schr'. The 'Record Status' is 'Active' and 'Process Parameters Defined?' is 'Yes'. The 'Process Parameter List' section contains a table with the following data:

#	Process Parameter	Permitted Values	Value	Status
1	Range in Months to be considered for Average Utilization Computation scheduler.	Enter a positive integer value.	6	Defined
2				

The daily average utilization value is calculated based on the number of flight days. A flight day is a calendar day which contains at least one journey log entry or manual entries for the parameter value. The logic for arriving at the average value depends on whether it is for an aircraft or a component.

Aircraft – The average is derived by dividing the sum of all the parameters with the number of flight days for the period defined in the **Set Process Parameters** page.

Component (attached to aircraft) – The average calculated for the aircraft is updated for the component also if the parameter is same for both.

Component (removed from aircraft) – If the scheduler has not updated the average value previously, the average calculated for the last attached aircraft is updated for the component also if the parameter is same for both.

Component (never attached to aircraft) – If the component has never been attached to any aircraft and average value is not available, the scheduler will update the average based on the following conditions,

- For lead parameters, the value available for Default Utilization Factor in the **Set Options** activity of the **Component Maintenance Planning** business component is updated as average daily utilization value, if the same parameter is mapped as the Default parameter. Else it is updated as “1”.
- For non-lead parameters, the average is left as null if forecast factor is available. Else it is updated as “1”.

WHAT'S NEW IN CONFIGURATION?

Ability to update the piece part information defined in part configuration to the component configuration upon Approval part configuration

Reference: AHBf-813

Background

Currently in Ramco aviation solution, when user defines the piece part information in part Configuration, system will not inherit the piece part information to the existing component, on Approval of Part Configuration.

User has to manually update the Piece Part information for the component in **Edit Component Piece Part List** page.

Change Details

With this enhancement, when user defines the piece part information in part configuration with 'Inherit to Component' check box selected in **Part Configuration** page, then on Approval of Part Configuration, the system will inherit the Piece Part information to the part.

Also, when user inducted the component for the part, the system will inherit the available piece part information from the part to the component.

Important Points to be noticed:-

- Position code in Piece part information cannot be deleted / modified.
- Inactivation of Position code can be allowed in **Edit Piece Part List** page.
- Position code cannot be inactivated, if Existing quantity is available for the position and Ref. Part # combinations in **Component Piece Part List** page.
- When user modifies the Operator code # for the component in the Edit Component Record then,
 - If the Position Code and Ref Part # combination is different for the new Part & Operator code combination, then system will change the existing positions available for the Part # and Operator code combination as 'Inactive' in **Component Piece Part List** and insert the positions available for the part # and new Operator code.

- If the Position Code and Ref Part # combination is same for the new Part & Operator code combination, then system should update the Ref. Quantity alone from configuration available in the part and new Operator code combination to **Component Piece Part List** and retain the Position code status as 'Active'.
- If configuration does not exists for the Part and modified Operator code, then update the configuration for the part and blank Operator code, otherwise inactivate the previous position code alone.

WHAT'S NEW IN MAINTENANCE PROGRAM?

Ability to compute Next Schedule Date & time as End of the day based on the set option

Reference: AHBf-948

Background

Currently in Ramco aviation solution, Next Schedule Date and time will be displayed as exact Date & Time. Also, Rem. Day will be displayed as DMH format (5D 2H 45M). This Rem. Days will be dynamically changed based on the current date & time and Next Schedule date & time.

In some business scenario, the Next Schedule Date & time for the task should be displayed as end of the day.

Change Details

With this enhancement, a new set option is added in the **Set Process Parameters** of the **Define Process Entities** activity in **Common Master** business component.

Exhibit 1:

The screenshot displays the 'Set Process Parameters' application interface. At the top, the title bar reads 'Set Process Parameters' and the user information is 'DMUSER - ABC Limited - ABC Role'. Below the title bar, the 'Entity Details' section shows 'Entity Type' as 'Maint. Program and Forecasting Options', 'Entity' as 'Next Due Comptn. Logic', and 'Record Status' as 'Active'. The 'Process Parameters Defined?' status is 'Yes'. Below this is the 'Process Parameter List' section, which contains a table with the following data:

#	Process Parameter	Permitted Values	Value	Status
1	Next Due computation logic.	Enter "0" for 'End of Day', "1" for 'Exact Date & Time.'	1	Defined
2				

- If the Next Due Computation Logic is set as End of the day, the Next Schedule Date & time will be displayed as end of the day (NSD = 28/06/2014 23:59:59) and only days will displayed in Rem. Days (Rem. Days =1).
- If the Next Due Computation Logic is set as Exact date & time, the Next Schedule Date & time will be displayed as end of the day (NSD = 28/06/2014 10:37:00) and Days Hours & Minutes will be displayed in Rem. Days (Rem. Days =10D 10H 5M).



Note: Last Performed date will always be displayed as exact date & time irrespective of set option.

Important Points to be noticed:-

- If the Next Due Computation Logic is set as End of the day, then Schedule date & time will be displayed as UTC (System will not convert into local station date time) in Aircraft Maintenance Execution Due tree.
- If the Next Due Computation Logic is set as Exact date & time, then Schedule date & time will be displayed by converting it into local station date time with reference to UTC in Aircraft Maintenance Execution Due tree.
- For the Eng. Doc task, system will always display the date & time as end of the day irrespective of set option.
- When user launches the Aircraft Maintenance due report in Field base and if the Next Due Computation logic is set as End of the day, Forecasted Due date / Due Date will be displayed UTC date & time. (System will not convert into local station date time).

WHAT'S NEW IN DISCREPANCY PROCESSING?

Ability to Edit Corrective Action History of Discrepancies

Reference: AHBf-734

Background

View Discrepancy Resolution History page allows the user to view past corrective actions and remarks entered for a Discrepancy.

This page has been modified to allow modification of the corrective actions and remarks. This provides the ability for the tech records personnel to make corrections to already recorded corrective actions and remarks.

Change Details

View Discrepancy Resolution History page has been renamed to **Manage Discrepancy Resolution History**.

The columns 'Corrective Action' and 'Remarks' are now editable. A 'Save' button is added to this screen, which will be visible only when the user has permission to access the **Maintain Discrepancy Information** page.

 *Note: Editing the latest corrective action and remarks in **Manage Discrepancy Resolution History** page will back-update the Discrepancy record in **Maintain Discrepancy Information** page and **Record Aircraft Maintenance Execution Details** page.*

 *Note: Corrective Action update done at line level in **Manage Discrepancy Resolution History** page will only update that line and will not update same corrective actions entered in other lines.*

Exhibit: 1:
Manage Discrepancy Resolution History page

Manage Discrepancy Resolution History Date Format dd/mm/yyyy

Discrepancy Details

Discrepancy #	VP-000786-2014/2	Discrepancy Type	MIREP	Applicability	Aircraft
Discrepancy Description	Oil is dripping from the left wing.	Discrepancy Category		Created Station	Atlanta International
Record Status	Closed	Processing Status	None	Tracking Status	
ATA #	00-00	Fault #		Created at Org. Unit	ABC Limited
Source Doc. Type	A/C Maint. Exe. Ref #	Source Document #	VP-000786-		

Maint. Object Details

Aircraft Reg #	1000	Aircraft Model #	A320	Component #	
Part #		Serial #		Part Description	

Resolution History

#	Line #	Action	Performed Date	Performed At : Station	Corrective Action	Remarks	Ref. Document Type
1	1		26/06/2014	Atlanta International			A/C Maint. Exe. Ref #
2	2		26/06/2014	Atlanta International	Cleaned the Oil Filter		A/C Maint. Exe. Ref #
3	3		26/06/2014	Atlanta International	Cleaned the Oil Filter		A/C Maint. Exe. Ref #
4	4	Closed	26/06/2014	Atlanta International	Cleaned the Oil Filter		A/C Maint. Exe. Ref #
5							

Annotations:

- Corrective Action and Remarks are now editable
- Save button will be visible if user has activity permission to Maintain Discrepancy Information

WHAT'S NEW IN MAINTENANCE TASK

Changes in Manage Task File Attachment

Reference: AHBF-937

Background

Manage Task File Attachment screen is enhanced with the following features:

1. Ability to filter the tasks based on their status.
2. Visibility on effect of file name modification from **Manage Task File Attachment** screen to task master level.

Change Details

1. A new search option "Task Status" added as shown in **Exhibit 1**, lists all possible Task Statuses, with "Active" as default when launched from left pane. If launched from **Create Task, Edit Task** or **Maintain Activated Tasks** screen, this drop-down will be blank. User can search the tasks based on the status. Also, a column is added in Search Results multiline to view the task status.
2. When the user modifies a primary file name (added in task master), the modification will be back updated in Task Master. The files added in **Manage Task File Attachment** screen may also be modified. To provide more information to the user about the task being modified, a new column "Primary" is added. This column displays "Yes" if the file name is back updated in Task Master and "No" if there is no impact in Task Master.

In addition to the above, to have an aesthetic view of search results, the following columns rearranged:

1. Task #
2. Revision #
3. Aircraft Model #
4. From Aircraft MSN
5. To Aircraft MSN
6. Aircraft Ownership
7. Owning Agency #
8. Maint. Operator #
9. Part #
10. Folder Name
11. File Name
12. File Reference #
13. Seq #

Enhancement Notification

14. Customer Task Card #
15. Remarks
16. File Available?
17. Primary?
18. Task Type
19. Task Applicability
20. Task Status
21. Last Modified By
22. Last Modified Date
23. Tech Doc. Sys Owner
24. Task Reference #

Exhibit 1:

Manage Task File Attachment

Date Format

Search Criteria

Task Details Add. Search On **Task Status**

Search

Search Results

1 - 10 / 10

#	Remarks	File Available?	Primary?	Task Type	Task Applicability	Task Status	Last Modified By	Last /
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Check File Availability

Save

[View File](#) [View Task](#) [Upload Documents](#)

Ability to change the "Task Type" from the maintain activated task screen

Reference: AHBf-771

Background

The Task Type control in **Maintain Activated Task** screen displays the Task Type of the particular task. The user will now be able to edit the Task Type from the **Maintain Activated Task** screen.

Change Details

The Task Type control is changed as combo control, enabling the user to modify the task type in the screen.

Exhibit: 1

The screenshot shows the 'Edit Task Information' window with the following sections:

- Task Details:** Includes fields for Task #, Task Type (highlighted with a red box), Task Category, Task Description, Long Description, Work Center #, and Model Effectivity.
- Revision Details:** Includes Current Revision Type, New Revision #, New Revision Date, Current Revision Date, New Revision Type, and Inactivate Previous Revisions? checkbox.
- Task Additional Details:** Includes Non Standard Task #, ATA #, DSC #, Est. Man Hrs., Est. Elapsed Time, Wrench Time, Task Desc., System ATA # Description, DSC Description, Insp. Man Hrs., Ideal Time, and Exec. Phase.
- Sub-Task Details:** A section at the bottom of the form.

The status bar at the bottom indicates 'Maintenance Task -> Maintain Activated Tasks' and a timer showing '117 Minute(s) 9:43 AM'.

Exhibit: 2

This screenshot is identical to Exhibit 1, showing the 'Edit Task Information' window. The 'Task Type' dropdown menu is highlighted with a red box. The form contains the same fields and sections as described in Exhibit 1.



Note: The modified Task Type will be updated in the task available in the reference Eng.Doc of the task, if the task has Eng. Doc reference and the revision # of the task is same as the revision # of the task in Eng.Doc. It is also to be noted that the above details will not be updated in AME/Shop documents.

Changes in Help on Task

Reference: AHBF-1061

Background

In **Help on Task** screen, the system has to list out all tasks effective for a specific aircraft model. Previously, system used to filter task based on its Base aircraft model.

This enhancement enables the user to pull out task based on effective Aircraft Model number.

Change Details

When search is invoked for a specific aircraft model, the system will fetch all the tasks effective to that model even though the filtered model # is different from the base aircraft model #.

Example:

Consider a task T1 having Base Aircraft Model #: A320 and is effective to Model #'s A310, B737 and B747.

If the user searches for tasks with any of the effective models in Model #, Ramco will retrieve the task T1 even though its model # is different from base aircraft model #.

Exhibit 1: Model # search in Help on task

When search is invoked for a specific aircraft model, the system will fetch all tasks effective to that model even though the filtered model # is different from base aircraft model #.

#	Task #	Rep Seq #	Revision #	Task Desc.	Mandatory	Task Category	WBS Code	Base Aircraft Model #
1	EO-BJ			asd		CF10E	3-OPER	EMB140
2	VMV-OOB		1	ENG-VMV2		APU	3-OPER	CRJ-500A
3	ENG-01-AD1		1	Eng Doc for AD		7	3-OPER	CRJ-500A
4	ENG-01-AD		1	Eng Doc for AD		7	3-OPER	CRJ-500A
5	VMV-OOBA			ENG-VMV2		APU	3-OPER	CRJ-500A
6	INSP3			inspection of cockpit		7	3-OPER	A320
7	INSP4			inspection of cockpit		7	3-OPER	A320
8	0000036-1		1	INSPECTION OF COCKPIT		CF10E	3-OPER	A320

Ability to View the Folder Name in Help on File Name screen

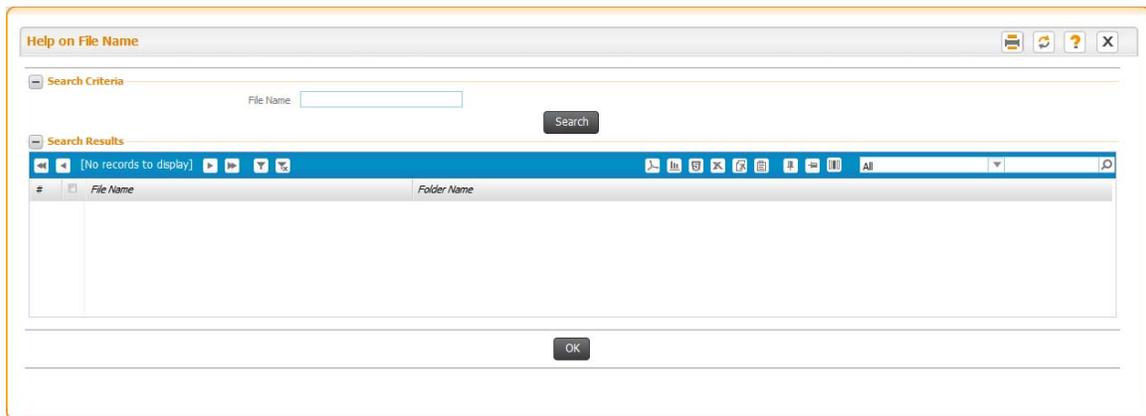
Reference: AHBf-1156

Background

Through this enhancement the user will be able to view the folder name of the file in **Help on File Name** screen.

Change Details

The folder name which contains the file will also be displayed in **Help on File Name** screen. The folder name can also be transferred along with the file name when help on file name is used.



WHAT'S NEW IN ENGINEERING ORDER?

Help on Serial # Changes in Effectivity Tab

Reference: AHBf-1237

Background

This enhancement has improved the 'Help on Serial #' available in range level multiline of **Effectivity** tab of the **Manage Engineering Document** page, based on Engineering Document applicability. The help will now launch the help on component if the applicability is component and help on aircraft if the applicability is aircraft.

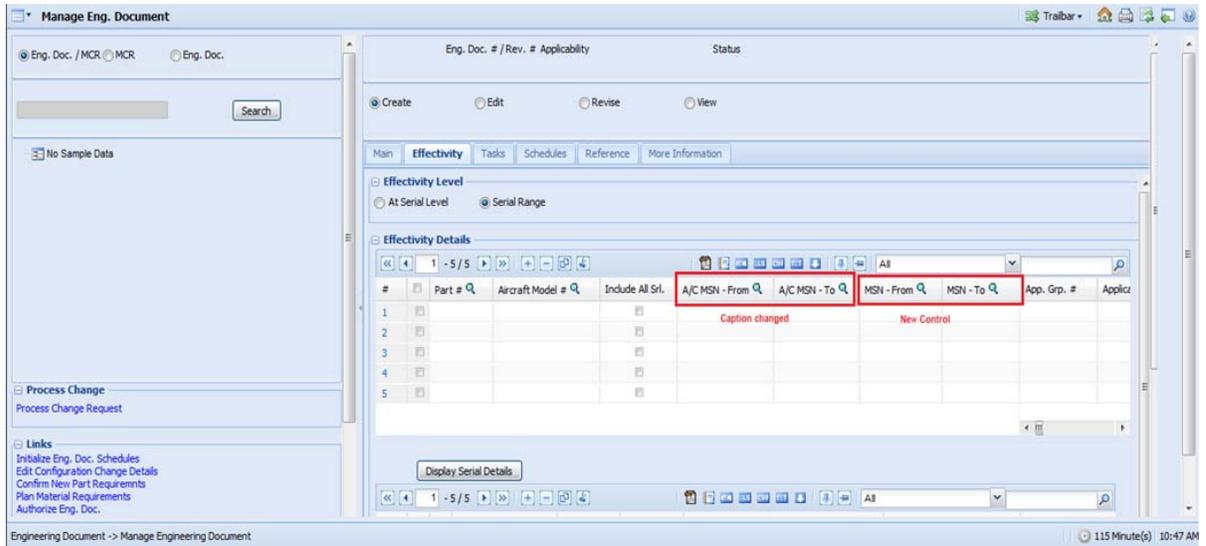
Change Details

The "A/C MSN - From" and "A/C MSN - TO" columns will be visible if the applicability of engineering document is aircraft, while "MSN - From" and "MSN - TO" columns will be visible if the applicability of engineering document is component.

The A/C MSN - From" and "A/C MSN - TO" columns will launch the help on aircraft and the "MSN - From" and "MSN - TO" columns will launch the help on component.

Exhibit: 1

Manage Engineering Document



MSN Serial # Column Added in Engineering Order Effectivity Tab

Reference: AHBf-855

Background

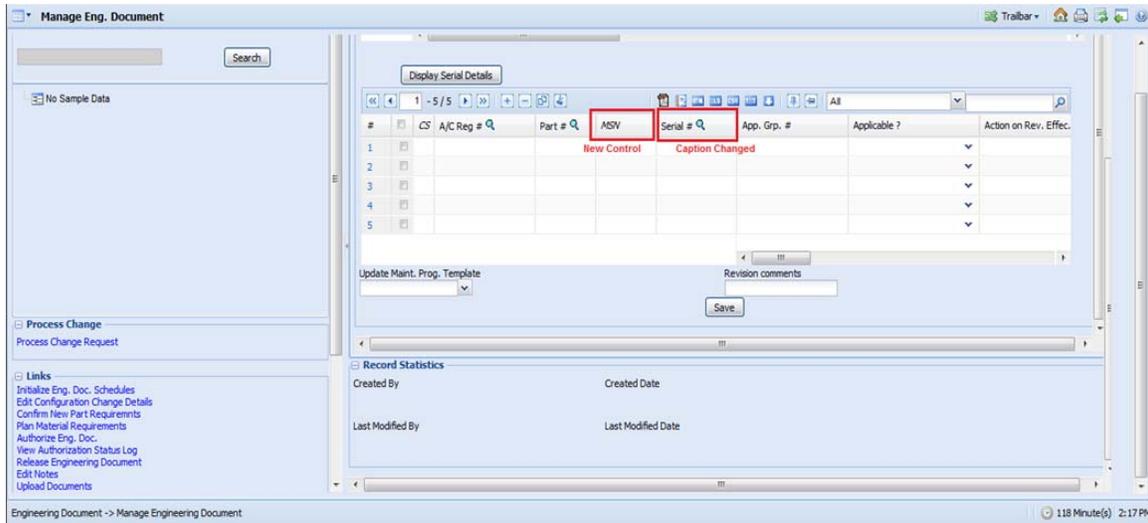
Through this enhancement, Ramco M&E application derives and displays the manufacturer serial # when the user provides the internal serial # in the **Effectivity** tab of the **Manage Engineering Document** page.

Change Details

The manufacturer serial # will be fetched in the MSN column when the user selects the internal serial # through help or on save, when the internal serial # is manually provided by the user.

Exhibit: 1

Manage Engineering Document



WHAT'S NEW IN AIRCRAFT MAINTENANCE PLANNING?

Ability to Print All Tasks under a Package even if Unselected

Reference: AHBf-981

Background

Print All and **Print Selected** buttons in the **Plan Aircraft Maintenance** page allows the user to either print all the Tasks/Discrepancies under a Package or select specific Tasks/Discrepancies to be printed under a Package.

Change Details

Print All button printed only the Tasks/Discrepancies that are selected in the **Plan Aircraft Maintenance** Page in the Package Details section. This means, if the user has unselected a few Tasks/Discrepancies and then clicks the **Print All** button, the unselected Tasks/Discrepancies are not printed in the Package Print.

Print Selected button displayed only the Tasks/Discrepancies that are selected in the **Plan Aircraft Maintenance** Page in the Print Selection Popup window. This means, if the user has unselected a few Tasks/Discrepancies and then clicks the **Print Selected** button, the unselected Tasks/Discrepancies are not displayed in the Print Selection Popup window.

With the current change, even if a few Tasks/Discrepancies are unselected under a Package and the **Print All** button is clicked, the Package Print is done for all the Tasks/Discrepancies under the package as the selection in the **Plan Aircraft Maintenance** page is not considered.

This is applicable for **Print Selected** button also. If a few Tasks/Discrepancies are unselected under a Package and the Print Selected button is clicked, the Print Selection popup window will display all the Tasks/Discrepancies under the package.

 *Note: If a Task/Discrepancy is unselected in the **Plan Aircraft Maintenance** page before clicking the Print Selected button, the Print Selection Popup window will launch with the same Task/Discrepancy unselected. The user can select the same in the popup window if required and then click Package Print button.*

In the below screenshot (Exhibit-1), if the **Print All** button is clicked, Package Print is done for the Package # *HP000478-2013* and all Tasks are printed including the selected Task # *EO-33-1* and the unselected Task # *EO-000005-2014-VM*.

Exhibit – 1:

Package Details section with a few tasks unselected under the Package

Package #	Package Type	Status	Task Seq #	Tally #	A/C Reg #	Flight #	Priority	Plan Start Date	Plan End Date	Yield	Sch
HP000375-2013	Visit Package	In-Progress			1000		NRM	20/03/2014 1	22/05/2014 1		
HP000478-2013	Visit Package	In-Progress			1000		NRM	17/04/2014 0	30/05/2014 1		
HP000478-2013 (Su			0					17/04/2014 0	30/05/2014 1		
EO-33-1		Planned	1	1				17/04/2014 0	17/04/2014 0	NA	
EO-000005-2014-VM		Planned	2	2				17/04/2014 1	17/04/2014 2	NA	
NST-006080-2014		Planned	3	3				17/04/2014 1	17/04/2014 1	NA	
NST-006081-2014		Planned	4	4				17/04/2014 1	17/04/2014 1	NA	
00-00-00		Planned	5	5				17/04/2014 1	18/04/2014 0	NA	
HP000478-2013/1		Completed	6	6				30/05/2014 1	30/05/2014 1	NA	30

Plan Jobs

If the **Print Selected** button is clicked for the same example, the Print Selection Popup window is opened with the Task # *EO-33-1*, *NST-006080-2014* and *NST-006091-2014* pre-selected and the rest of the Tasks unselected (as shown in Exhibit-2).

The user can select the other tasks if required and click the **Package Print** button.

Exhibit – 2:
Print Selection Popup

Work Package Setup Control Panel

View Package

Package Header

Package Type: A/C Maint. Exe. Ref. # Package Name: HP000478-2013 A/C Model #: A320

Package Description: Print Job #: 1 A/C Reg #: 1000

Component #: Part #: Serial #: End Date: May 30, 2014

Work Center #: ATL-104-05 Start Date: Apr 17, 2014

Include

Tally Sheet Procedure Attachments AMM Effectivity

Planning Sign-off EO Cover Sheet Exception Report

Sort

Seq # ATA #

Sort Tasks

Task Card Details Total rows: 6

<input type="checkbox"/>	#	Tally #	Seq #	Task #	Description	Revision	ATA #	Source Doc Type
<input checked="" type="checkbox"/>	1	1	1	EO-33-1	INSPECTION-01		00-00	Other
<input type="checkbox"/>	2	2	2	EO-000005-2014-VMV	EO-000005-2014		00-00	Other
<input checked="" type="checkbox"/>	3	3	3	NST-006080-2014	NST 1			Other
<input checked="" type="checkbox"/>	4	4	4	NST-006081-2014	NST 2			Other
<input type="checkbox"/>	5	5	5	00-00-00	Rev 0 task	1	00-00	Other
<input type="checkbox"/>	6	6	6	HP000478-2013/1	RRQRQR		00-00	Other

Package Print Print Job Log View PDF Cancel

Note: If Tasks/Discrepancies are selected across different Packages and Print All button is invoked, then Package print will be called separately for all those packages. Similar behavior is applicable for Print Selected button.

WHAT'S NEW IN COMPLIANCE MANAGEMENT & TRACKING CONTROL?

Ability to view the Escalated task status in View Short term Escalation screen

Reference: AHBf-1325

Background

Currently in Ramco Aviation Solution, after escalation, when a user inactivates the schedule status of the task in the **Aircraft / Component Maintenance Program**, the system does not remove the task from **Planning Board**.

Change Details

With this enhancement, a new display only (Line Status) control is added in the **View Short Term Escalation** page.

Exhibit-1:

The screenshot displays the 'View Short Term Escalation Details' interface. At the top, there are navigation icons and a title bar. Below the title bar, there are fields for 'Short Term Esc. Ref # A0000265', 'Aircraft Reg # VT-SM', 'Status Processed', and 'Requestor Name Vishnu c Prasad'. A 'Task Details' section is visible below. A table with the following columns is shown: '#', 'late by Days', 'Schedule Reset Basis', 'Line Status', 'Requestor Comments', and 'Approval #'. The first row of data shows '1', '150.00', 'Actual Compliance', 'Pending', and an empty 'Requestor Comments' and 'Approval #' field. A yellow callout box labeled 'Newly added control' points to the 'Line Status' column header and its value 'Pending' in the first row.

#	late by Days	Schedule Reset Basis	Line Status	Requestor Comments	Approval #
1	150.00	Actual Compliance	Pending		

Logic to update the Line Status:

- When the user escalates the task, the “Line Status” of the task is be updated as “Pending”.
- When the user performs the task after escalation, the “Line Status” is be updated as Complied.
- When the Schedule Status of the task is inactivated in the **Aircraft / Component Program** after escalation, the “Line Status” of the task is updated as ‘Cancelled’.

Important Points to be noticed:

- If only one task is escalated against the **Escalation Ref. #** and the schedule status of the task is inactivated in the **Aircraft / Component Maintenance Program**, then the system updates the **Line Status** of the task and the “Escalation Status” as “Cancelled”. Also, **Escalation Ref. #** will be removed from Program for the task and will be deleted from **Planning Board**.
- If only one task is escalated against the **Escalation Ref. #** and the user performs the task, the system updates the **Line Status** of the task as “Complied” and the **Escalation Status** as “Closed”. Also, **Escalation Ref. #** will be removed from Program.
- If multiple tasks exist against the **Escalation Ref. #** and only one task is not complied and the non-complied task is getting inactivated from **Aircraft / Component Program** then Line Status will be updated as ‘Cancelled’ and the escalation status will be updated as “Closed”. Also, **Escalation Ref. #** will be removed from for the task respective program and it will be deleted from **Planning Board**.
- If multiple tasks exist against the **Escalation Ref. #** and some tasks are not complied and one of the non-complied task is getting inactivated from **Aircraft / Component Maintenance Program**, then **Line Status** will be updated as ‘Cancelled’ and the escalation status will be retained as it is. Also, **Escalation Ref. #** will be removed for the task from the respective program and will be deleted from **Planning Board**.

WHAT'S NEW IN SHOP WORK ORDER?

Usability Improvements in Shop Work Order

Reference: AHBf-1041

Background

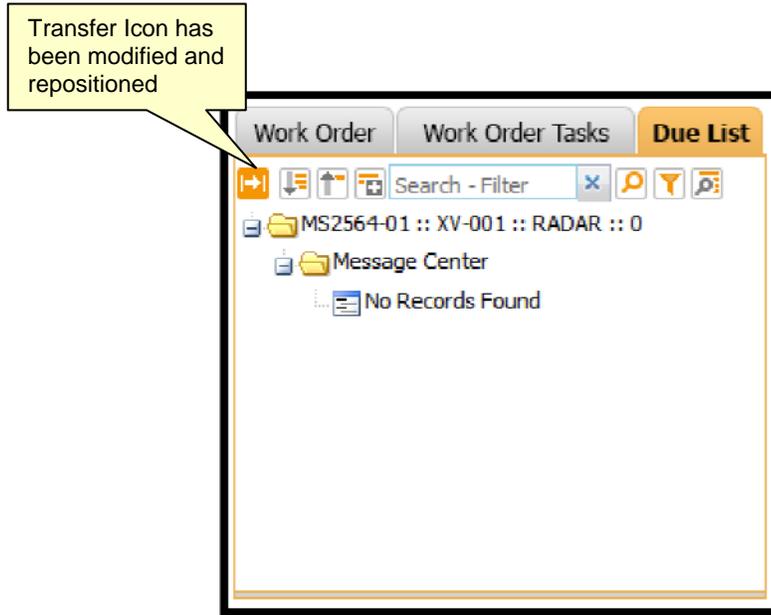
Various critical icons have been modified and repositioned in Shop Work Order for better usability.

Change Details

Plan Work Order Screen:

Critical icons have been modified and repositioned in Due List tree.

Exhibit 1: Transfer icon in Due list tree



Record Shop Execution Details Screen:

Critical icons have been modified and repositioned in tree structure of following tab pages of Record Shop Execution Details screen:

- a. Work Actual
- b. Initial Workscoping
- c. Material Request

Exhibit 2: Tree structure in **Record shop Execution Details** screen

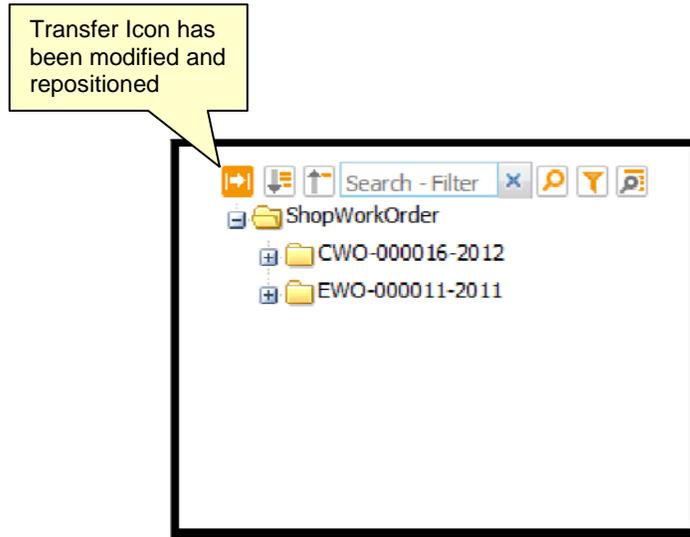
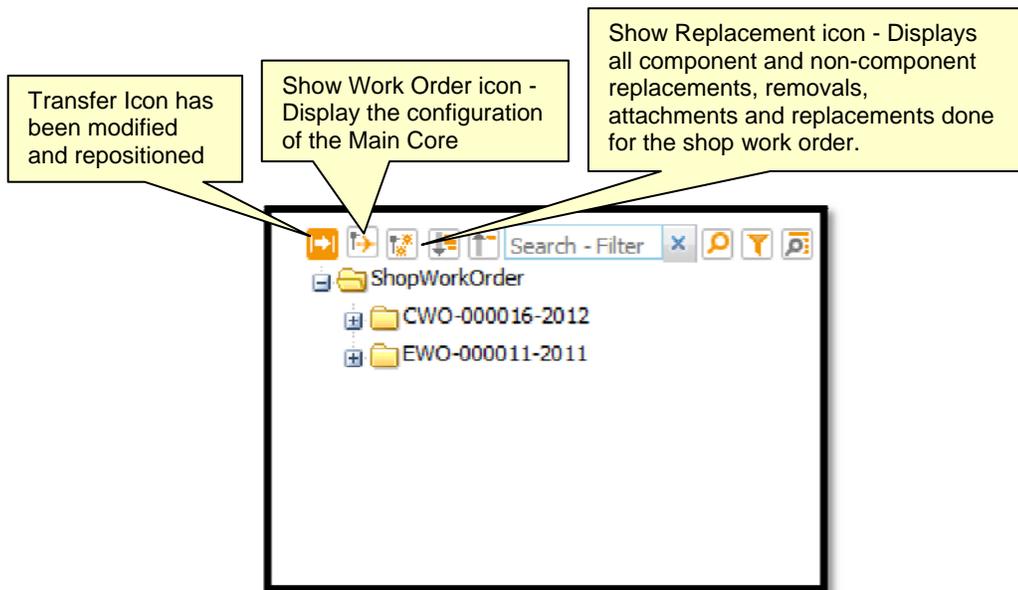


Exhibit 3: Tree structure in **Disassemble & Assemble Core** tab page in **Record Shop Execution Details** screen.



Ability to Print Task Card with Hierarchical Representation of Tasks in Work Order

Reference: AHBf-623

Background

This enhancement enables the user to print tasks in the task card based on the repair scheme definition of the workscoping task in hierarchical format, from shop work order.

Change Details

Process Parameter:

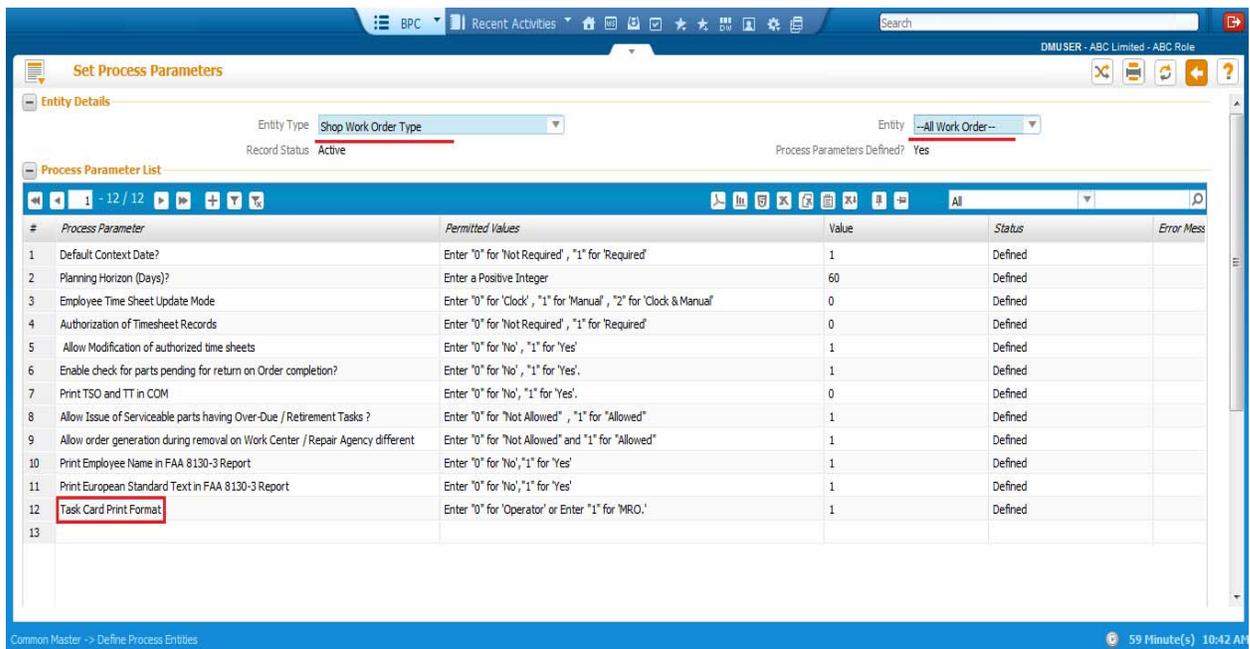
The following process parameter is added,

Entity Type - Shop Work Order Type

Entity - --All Work Order--

Process Parameter - Task Card Print Format

Permitted Value - Enter "0" for 'Operator', "1" for 'MRO'



When the value for the parameter is set as '1', the task card will be printed in the following hierarchical format on click of the print task card(s),

Enhancement Notification

Work Instructions: BENCH CHECK

Shop Copy

3150 Burnswick Pike, Suite 130, Lawrenceville, New Jersey, United States, 08648

Customer Order #	CWO-000016-2012 / 0	Customer #	01-BC-X00-00-000001	Customer Name	
SWO # / Rev. #	F5508056420000P7384	Plan ID	F5508056420000P7384	Task Type	SLIDESLIP SECTION
Engine Model	MSN-CEM-01	Part #	MSN-CEM-01	Part Desc.	
Engine Serial #		Qty.	1		

03-STD-X00-00-00000000028255

Ref Subject: 02-URT-X00-00-002781

Work Center: YUL-100-00

Status: PLANNED

Task Description: REPAIR

Instructions: REPAIR PER ROHR CMM 71-13-15

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Page 1 of 2

Print Date: Jun 30, 2014 11:52:31

Certification details provided with comma (,) separator in the comments field of Edit Exe. Org Unit Level Work Center Details

Value provide in the User Defined 1 field in task details

All operational tasks under the plan level task will be listed

Work Instructions: BENCH CHECK

Shop Copy

3150 Burnswick Pike, Suite 130, Lawrenceville, New Jersey, United States, 08648

Customer Order #	CWO-000016-2012 / 0	Customer #	01-BC-X00-00-000001	Customer Name	
SWO # / Rev. #	F5508056420000P7384	Plan ID	F5508056420000P7384	Task Type	SLIDESLIP SECTION
Engine Model	MSN-CEM-01	Part #	MSN-CEM-01	Part Desc.	
Engine Serial #		Serial #	MSN-CEM-01		
Engine Visits	1	Qty.	1		

03-STD-X00-00-00000000090894

Ref Subject: 02-URT-X00-00-00

Work Center: YUL-100-00

Status: PLANNED

03-STD-X00-00-000000000134826

Ref Subject: 02-URT-X00-00-002781

Work Center: YUL-100-00

Status: IN-PROGRESS

Task Description: PAINT

Instructions: PRIME AND PAINT AS REQUIRED, PER STD PRACTICES (71-10-321)

03-STD-X00-00-000000000335877

Ref Subject: 02-URT-X00-00-002781

Work Center: YUL-100-00

Status: PLANNED

Task Description: DISASSEM

Instructions: DISASSEMBLE FROM FAN COWL PER MANUAL INSTRUCTIONS (71-10-321)

03-STD-X00-00-000000000539748

Ref Subject: 02-URT-X00-00-002781

Work Center: YUL-100-00

Status: PLANNED

Task Description: INS-OUT

Instructions: COMPLETE PAPER WORK AND DO W.O. CLOSURE.

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Page 2 of 2

Print Date: Jun 30, 2014 11:52:31

The planned task details will be repeated in each new page

Will be visible based on sign-off requirements

The Planned task, Intermediate task and Operation task will be identified as follows,

- A task # which does not have Parent Task # will be deemed as planned task.
All the Non-Standard tasks / discrepancies will also be considered as planned task.

- A task # which has Parent Task # and Child Task # will be deemed as intermediate task.

- A task # which has Parent Task # and no Child Task # will be deemed as Operational task.



Note: If there are more than these three levels, the hierarchy will have multiple Intermediate levels and one in each of planned and operation task level.

Facility to preview certificates prior to approval

Reference: AHBf-510

Background

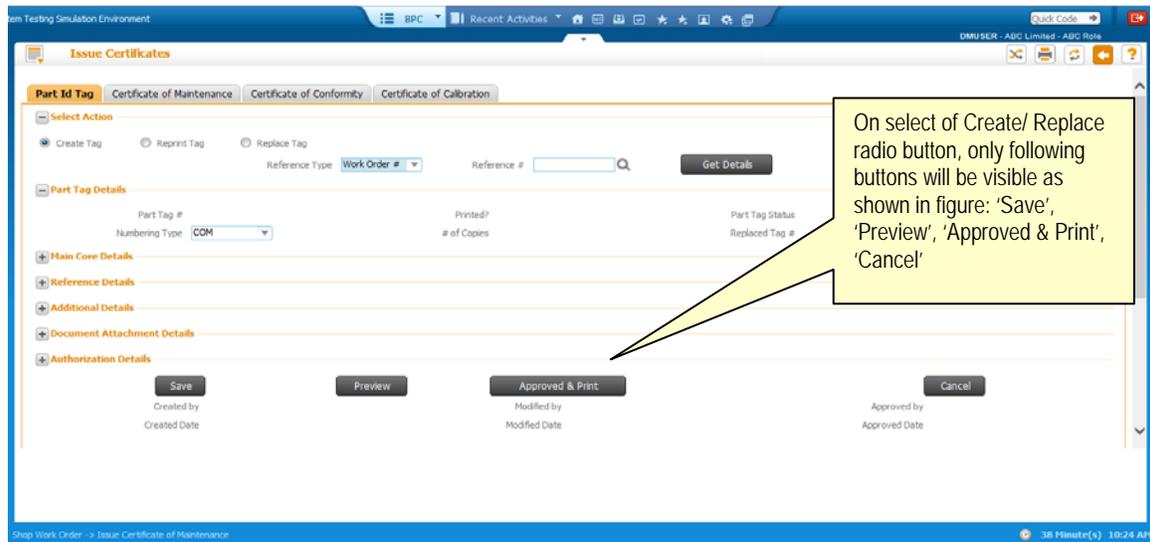
Preview of certificates are required to ensure correctness of all values displayed in all fields of certificate. Currently the user is enforced to replace the approved certificate if he/she encounters any corrections in it.

This enhancement is to facilitate user to preview these certificates prior to approval.

Change Details

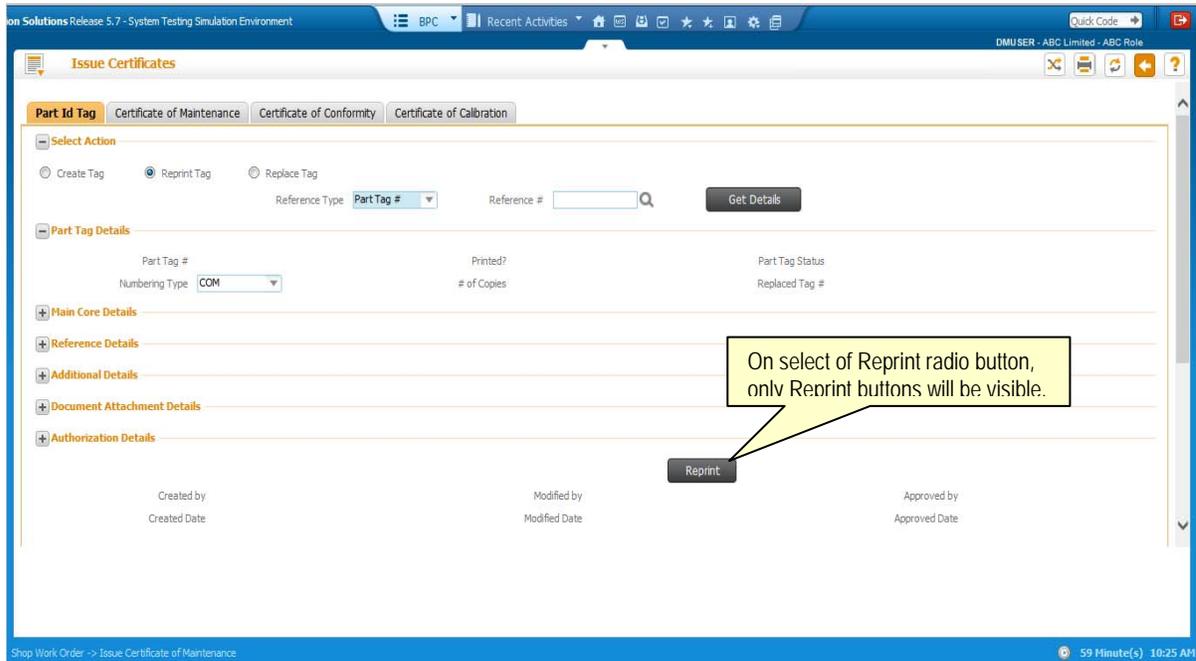
This enhancement enables the user to preview the certificates prior to approval.

Exhibit-1: Issue Certificates – Create/Replace view



Note: The 'Preview' button is added in all tab pages of Issue Certificates screen: Part Id Tag, Certificate of Maintenance, Certificate of Conformity and Certificate of Calibration tabs. Preview can be done only for certificates in Fresh status.

Exhibit-2: Issue Certificates – Reprint view



Note: On search of a certificate in Approved status, radio button will jump from Create to Reprint. It will remain in Reprint/Replace, if it is already Reprint/Replace.

All Preview reports will be watermarked with 'DRAFT' text as shown in below exhibit.

Exhibit-3: Sample Preview report for Part Id Tag

 					
Unserviceable Consumable					PART ID TAG # EVENT # SWO-000328-2014
COMPONENT #		TSN / C8N Not Avlb. / Not Avlb.		T8O / C8O Not Avlb. / Not Avlb.	TSI / C8I Not Avlb. / Not Avlb.
PART # 0-001-388-016 35895	SERIAL # / MFR. SERIAL	PART DESCRIPTION REPAIRABLE CAT3 STARTER			OBJECT TYPE Consumable
LOT # / MFR. LOT	QTY. 10	REF. DOC TYPE Shop work order #	REF. DOC # SWO-000328-2014	TOP ASSLY. SWO #	CURRENT CONDITION Unserviceable
REMOVAL DETAILS					REMOVAL DATE & TIME 06/11/2013 18:29:40
COMP. REPLACE # NCR-000121-2013	REMOVED BY 01010	REMOVAL TYPE Scheduled	REMOVAL CONDITION Unserviceable		BASE Y
AIRCRAFT # 1000-ars	AC TOTAL FH / FC 100.0 / 100.0	NHA PART #	NHA SERIAL #		POSITION CODE
STOCK STATUS	SUPPLIER	CERTIFICATE #			EXPIRY DATE
REMOVAL REASON Corrosion					SIGNATURE / A&P #
INSPECTION REMARKS					
Generated On : 30/06/2014 16:43:55					

Ability to Split Shop Work Order for Repair

Reference: AHBF-145, AHBF-311

Background

Currently, if parts (main core) are issued to a Shop Work Order, the Work Order is allowed to be split only for the purpose of scrapping partial main core quantities. However, business need is to allow splitting a Shop Work Order for the purpose of Repair etc.

Change Details

The validation that restricts user from splitting a Shop Work Order if the attribute of the chosen Disposition Code is other than 'Scrap' is relaxed. User will now be allowed to split a Shop Work Order for all Disposition Codes. Secondly, a new validation has been added to restrict user to select only one associated main core record at a time for the splitting.

For example, consider a Shop Work Order with associated main core details as shown below:

Part #	Lot #	Qty
P1	L1	6
P2	L3	4

If user requires both the associated main core record to be split simultaneously, system will validate and restrict.

Part #	Lot #	Qty
P1	L1	3
P2	L3	2
P1	L2	3
P2	L4	2

In the above scenario, P1 has to be split as L1 and L2 separately and then P2 has to be split as L3 and L4 separately.

In order to ensure appropriate management of main core logistics, whenever a Shop Work Order is split, automatic main core Return and Issue will be triggered. For example, When SWO1 is split for 2 qtys of Part "P1" to set up a split Work Order SWO2, system will automatically create a main core return in "Confirmed" status from SWO1 for the 2

qtys of "P1" into the Work Center's Unserviceable Warehouse and automatically creates a main core issue in "Confirmed" status for 2 qtys of "P1" onto SWO2.

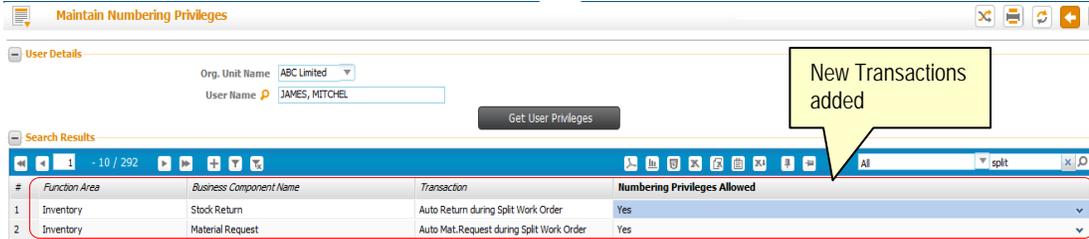
Sequence of action triggered automatically during Work Order split is as follows:

- Main core return (Confirmed status) for the split part - qty from the parent Shop Work Order.
- Generation of split Work Order.
- Main core Material Request (Authorized status) generation for the Split Work Order.
- Main core Issue (Confirmed status) against the Main Core Material Request.

Also, in the **Document Numbering Class** business component, two new transactions are added to identify unique Numbering Type for the Auto Return and Auto MR that will be generated during Split. These transactions are:

- Auto Return during Split Work Order
- Auto Mat. Request during Split Work Order

Exhibit I: Identifies the new Transaction Types added in the Document Numbering Class business component



Note: As the auto main core return document will be generated in “Confirmed” status, validations like Hazmat Compliance, Inspection, etc., will be overridden.

Costing:

In case of Main-core’s expense policy being ‘Add to stock’, main-core’s original Cost and the Cost accumulated in the Parent Work Order will now be moved to the new work order created on split (by way of Main-core return from the Parent & Main-core issue to the new split work order). Now the cost accumulated in the split work order alone will be added to the main-core when the same is returned from the new work order created on split as the parent work order’s cost is already considered.

Accounting:

S. No.	Event / Transaction	Accounting Entry
1	Main Core Issue: Issue of Main-Core to SWO1	Main Core Suspense Dr. To Inventory Cr.
2	Maintenance Issue: Issue of Consumables to SWO 1	Maintenance Suspense Dr. To Inventory Cr.
3	Task Closure: Labor Cost accounting	Maintenance Suspense Dr. To Maintenance Adjustment Cr.
4	Split of Work Order: Auto Return (Return of Main Core and generation of SWO2) Note: Stock is moved to inventory with the cost accumulated in the SWO 1	Inventory Dr. To Main Core Suspense Cr. Inventory Dr. To Maintenance Suspense Cr.
5	Split of Work Order: Auto Issue (Main core issue to SWO2)	Main Core Suspense Dr. To Inventory Cr.

	<i>Note: the Main Core in SWO 2 is already with the accumulated cost from SWO 1</i>	
6	Maintenance Issue: Issue of Consumables to SWO 2	Maintenance Suspense Dr. To Inventory Cr.
7	Task/ Work Order Closure: Labor Cost Accounting	Maintenance Suspense Dr. To Maintenance Adjustment Cr.
8	Maintenance Return: Return of part to Inventory	Inventory Dr. To Main Core Suspense Cr. Inventory Dr. To Maintenance Suspense Cr.

WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION?

Changes in Part Tag Report

Reference: AHBf-234

Background

When a part is received with Part Tag, user will be interested to view the last removal details and root work order details where the part is originated. This enhancement provides such value added information regarding the part in the **Part Rag** Report.

Change Details

The following changes are done in **Part Tag** report:

- a. Part Tag # and Event # columns added.
- b. Qty, Lot # / Mfr. Lot # / Mfr. Serial # fields added.
- c. 'Top Assly. SWO #' field added next to 'Ref. Doc#' field.
- d. Fetch Logic changed in Inspection Remarks column as follows:
 - If the report is launched from **Disassemble / Assemble Core** tab, "Inspection Remarks" in the report will be displayed from the 'Remarks' column.
 - If the report is launched from **Part Id Tag** tab, 'Comments' & 'Reason for Rejection' will be displayed.
 - If the report is launched from AME screen then, "Removal Remarks" will be shown.
- e. "Removal Details" section will show the Last Component Replacement transaction details.
- f. Previously, with the tag launched from **Aircraft Maintenance Execution** screen, only the heading will show the component condition as "As Removed" based on set options. Now the Current Condition and Removal Condition fields also will show "As Removed".

Exhibit 1:

				Apple Inc 1 Infinite Loop, Cupertino, California, United States, 95014	
Form #				PART ID TAG #	
Existing field, Heading to be renamed as "SERIAL # / MFR. SERIAL #" Component				EVENT # CWO-000193-2012	
COMPONENT # COMP-002865		TSN / CSN Not Avlb. / Not Avlb.	TSO / CSO Not Avlb. / Not Avlb.	TSI / CSI Not Avlb. / Not Avlb.	
PART # 3-111794:92003	SERIAL # / MFR SERIAL # SL-987-2014	PART DESCRIPTION RESERVOIR DRAIN VALVE		OBJECT TYPE Component	
LOT # / MFR LOT #	QTY 1	REF. DOC TYPE Shop work order #	REF. DOC # CWO-000193-2012	TOP ASSLY. SWO #	CURRENT CONDITION Unserviceable
REMOVAL DETAILS					
COMP. REPLACE # SCR-000002-2014		REMOVED BY DMUSER	REMOVAL TYPE Scheduled	REMOVAL CONDITION Unserviceable	REMOVAL DATE & TIME 29/01/2014 15:17:56
AIRCRAFT #		TOTAL FH / FC	NHA PART # 0-0440-4-0005:36361	NHA SERIAL # SL-87087-2014	BASE L-1-1
STOCK STATUS Owned		SUPPLIER	CERTIFICATE #		EXPIRY DATE
REMOVAL REASON Corrosion				SIGNATURE / A&P #	
INSPECTION REMARKS RSED testing remarks					
Generated On : 06/05/2014 16:17:39					
1. "Removal Remarks" if launched from AME screen 2. "Inspection Remarks" if launched from Record Shop Execution Details screen 3. "Comments & Reason for Rejection" if launched from Part Id tag screen					

WHAT'S NEW IN IPAD FLIGHT LOG?

Ability to record journey log information through iPad

Reference: AHBf-833

Background

Gone are the days when one's workplace could be defined within a brick-and-mortar structure. Today, businesses are 24/7, interconnected, and dynamic. To keep pace with a fast-changing work scenario and provide real-time insights, an ERP application needs to be mobile.

Mobile ERPs brings the power and benefit of an ERP application within the reach of your fingertips. It can certainly prove helpful for the aviation industry, since the volume of data managed is comparatively high.

Ramco's mobile solution for aviation facilitates tracking and management of critical Enterprise data and operations through mobile devices such as iPad & Android.

Change Details

With this new enhancement, the following operations / transactions can be carried out in iPad. To maintain the similar user experience, the user interfaces of iPad are developed similar to desktop application. Please refer some of the screen shots below.

List of features supported:

- Create Journey Log
- Edit Journey Log
- Amend Journey Log
- Approve Journey Log
- View Journey Log
- Report Operational Interruption Details
- Record Pilot Reported Discrepancies
- Report Crew Details
- Report In flight Shut Down Hours
- View Pilot Reported Discrepancy
- View Operational Interruption Details
- View Regularized Operational Interruption Details

Exhibit 1: Create Journey Log

No SIM
2:43 pm
90%
☰
Create Journey Log
⏪
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✖
📍
📱
🔴

Journey Log # <input type="text" value="JL000463"/>	Flight Date <input type="text" value="05/12/2014"/>	Status Fresh	Rep. Time Zone <input type="text" value="Local"/>
Aircraft Reg. # <input type="text" value="VT-AVG10"/> <input type="button" value="Get"/>	Starting Station <input type="text" value="AKR"/>	Flight Ops. Type <input type="text" value="Regular"/>	
Flight Category <input type="text"/>	Journey Log Category <input type="text"/>	Log # <input type="text"/>	

Log Reference Details +

Leg Details

Summary Parameter Details

Leg Details -

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📱

#	<input type="checkbox"/>	Line #	Dep. STN	Arr. STN	Dep. Date	Dep. Time	Arr. Date	Arr. Time	Block Hours
1	<input type="checkbox"/>	1	AKR	FL	05/12/2014	10:00	05/12/2014	11:00	

Other Details +

Create Log Successfully Completed 🕒 59 Minute(s)

Exhibit 2: Amend Journey Log

Amend Journey Log

Log Details
[-]

Journey Log #	Flight Date	Status	Rep. Time Zone
JL000001	26/05/2012	Under Amendment	Local
Aircraft Reg. #	Starting Station	Flight Ops. Type	Journey Log Category
VT-RMC	MAA <input style="width: 80%;" type="text"/>	Regular <input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Flight Category	Amendment #	Log #	Flight Status
<input style="width: 80%;" type="text"/>	1	6	On Schedule

Log Reference Details
[+]

Leg Details
Summary Parameter Details

All

#	<input type="checkbox"/>	Line #	Dep. STN	Arr. STN	Dep. Date	Dep. Time	Take Off Date	Take Off Time	Arr. Dat
1	<input type="checkbox"/>	1	MAA	ATL	25/05/2012	08:00	25/05/2012	08:04	25/05/2
2	<input type="checkbox"/>								

Exhibit 3: Report Crew Details

Flight Details

Journey Log # JL000037 Flight Date 02/07/2013 Flight & Leg # 1

Line # 1 Dep. STN ATL Arr. STN AHE

Cabin Crew Details

#	Employee #	Employee Name	Role	License #
1	01024	Shiva Shankar Reddy	Captain	
2	01486	Senthil kumar J		
3	01516	Gopal Panduragan		
4	04920	Balasubramanian R S		
5	09989	Ravi Kumar R		
6				

Note: Some of the usability issues need to be addressed in iPad application, which will be addressed and shipped in next enhancement release.

Also, the application will be supported in Android device.

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