





Ramco Aviation Solution

Version 5.7.2

Enhancement Notification

Maintenance

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WHAT'S NEW IN COMPONENT RECORD?

Changes in Edit / View Component Record

Reference: AHBF-2702

Background

The current enhancement in **Edit / View Component Record** screens facilitates the user to view the current Position Code and Level Code of the component.

Change Details

The following controls have been added (Refer Exhibit 1),

- Current Position Code
- Current Level Code
- EIPN Component # (Only in View Component screen. Already available in Edit Component screen)

The following controls have been renamed (Refer Exhibit 1),

- ➢ Position Code → NHA Position Code
- > Level Code \rightarrow NHA Level Code
- > Parent Zone # → NHA Zone #
- > Parent ATA # → NHA ATA #

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Component # COMP-000024-2014	Part # SM-024	Serial # SL-000045-2014	and the second second	
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Component Classification Details				
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Component Category 🕅 ME.	Replacement Type LRU	LLP7 Yes		
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perational Details Configuration Details Location Details Additiona	Details			
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Aircraft Rog. # VT-SM	Current Position Code POS8.1.2.1.1.1	Current Level Code 1.8.1.2.1.1.1		
NHA Part # SM-323	NHA Serial # SL-000042-2014	NHA Position Code POS8.1.2.1.1		
NHA Component # COMP-000021-2014	NHA Level Code 1.8.1.2.1.1	NHA Zone # ZSRUU1		
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-> Edit Component Decord		Access		Two new controls 'Current
				Position Code' and Current
				Position Code and Current
				Level Code' added to display
				position code and level code or
				pool and love and love ode o
				current component #.

Exhibit-1: Current Position Code and Current Level Code

Additional Changes

This enhancement also improves the visibility of value displayed in the 'Part Description' control in **Edit / View Component Record** screens.

Exhibit-2: Part Description – visibility

Visibility of Part Description control increas	sed		
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Edit Component Record	*	Dat	e Format dd/mm/vyvy
Component Identification Details			^
Component # COMP-000758	Part # EXP-1	Serial #	vg2
Base Part # EXP-1	Manufacturer Serial # vg2	Record Status	Active 🔻
Mod Status #	Part Description 0-1" OUTSIDE MICROMTR 0-1" OUTSID	E MICROMTR 0-1" OUTSIDE MICROMTR 0-1"	ou
Component Classification Details			
Part Model # 👂 Get Details	Part Classification Repairable	Component Type	Others
AIA # 👂 00-00	Expense Type Revenue	Zone #	
RVSM			
Component Category 🔲 MEL	Replacement Type LRU	LLP?	Yes
Cargo			
Deviated? No	Maintenance Process		
Component Ownership Details			
Component Ownership Owned 💌	Compon ent Possession Status	Preferred Stock Status	Accepted
Owning Agency # 🔎	Owning Agency Name	Engagement Type	Full Maintenance 🔻
Maint. Operator #			
Operational Details Configuration Details Location Details Additional Details			
Operational Details			
Manufactured Date 26/03/2013	Induction Date 26/03/2013	Operational Date	26/03/2013
Aircraft -> Edit Component Record			

Ability to View Verified Receipt Records in Review Records Update Screen

Reference: AHBF-2406

Background

Once the user reviews and verifies the receipt transactions that have components pending for verification, the records are removed from the Review Records Update queue. The current enhancement enables the user to fetch these verified records for their reference. The user will however not be able to modify the verified records.

Change Details

The Review Records Update screen has been made context oriented based on the value selected in the **Status** drop-down list. If the value in **Status** drop-down is selected as "Pending" or "On-Hold", the search criteria applicable for pending records will be visible (Refer Exhibit 1), and records pending verification will be fetched on search.

Exhibit 1:

Welcome to Ramco Aviation Solutio	nsRe 🔚 BPC 🍸 🗐 Recent	Activities 🎽 🏦 🔟 🗳 💌 🗲	* * 31 🛛 * 8	Search DMU SER - ABC Limited - ABC Role	•
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- Links/ Reports		Save			- 10
Re-Initialize / Update Parameter Values Generate Serviceable Certificate	Initialize & Update Component Configurat Upload Documents	tion Initialize Main View Docume	nt. Program & Update Compliance ents	Edit Component Record Print Part Tag	+
Aircraft -> Review Records Update				🧕 54 Minute(s) 4	:05 PI

If the value in **Status** drop-down list is selected as "Verified", the search criteria applicable for verified records will be visible (Refer Exhibit 2) and verified records will be fetched on search.

Exhibit 2:

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For the Goods Inward records, one of the following values will be fetched and displayed in the **Ref. Doc. Type** column in the multiline based on the record (Refer Exhibit 3).

- GI Customer Goods Receipt
- GI Repair Receipt
- GI Regular Purchase

Exhibit 3:

	iew Re	ecords I	Jødate							x	
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arch Crite	eria										
		Search	On Goods Inward	Y		Ref. Doc. Date Fro	om / To	E L	ast Updated Date I	From / To	
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	×	×	PART-COMP SER CAP	f4rt43r43r4r	f4rt43r43r4r	GI-Customer Goods Receipt	CGR-000125-2013/2	Pending	*		✓ COMP-002818
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10	×	x x	KT-01	3e	3e	GI-Regular Purchase	GI0000632013/1	Pending	*		 COMP-000011-2
	x	x x	KT-01	Зf	3f	GI-Regular Purchase	GI0000632013/1	Pending	*		 COMP-000012-2
			KT-01	3z	3z	GI-Regular Purchase	GI0000632013/1	Pending	*		 COMP-000013-2
0	×	x x									
	x	x x	PART-COMP SER	ds	ds	GI-Repair Receipt	GR-000028-2014/1	Pending	*		✓ COMP-002700

WHAT'S NEW IN MAINTENANCE TASK?

Ability to Print Specific File Attachment(s) when available & ignore Generic File Attachment(s)

Reference: AHBF-2466

Background

File attachments defined in the **Manage Task File Attachment** page against a Task with various parameters is used when doing Package Printing from various screens. This enhancement provides a way to override *generic* attachments (task-file mappings with no specific parameters) when *specific* attachments are printed.

Generic & Specific Attachments

While defining file attachments against a Task in **Manage Task File Attachment**, the user is provided with the option to define *specific* criteria such that only if they match against the current package (on which the Package Print is attempted), that file attachment is considered for printing.

If a file attachment in **Manage Task File Attachment** has any one (or multiple combinations) of the below criteria, then that file attachment is considered as a '**Specific Attachment**'.

- 1. From Aircraft MSN
- 2. To Aircraft MSN
- 3. Aircraft Ownership
- 4. Owning Agency
- 5. Maint. Operator #

Alternatively, a '**Generic Attachment**' is an attachment that does not have From/To Aircraft MSN, Aircraft Ownership, Owning Agency or Maint. Operator # defined in the Manage Task File Attachment screen.

Note: If a file attachment is made from the Create Task / Edit Task / Maintain Activated Task screens, since there exists no specific criteria for that record, this is considered as a Generic Attachment.

Change Details

The Existing Entity Type "Task Numbering" has been modified to "Maintenance Task" and a new process parameter "Print List Selection for Task Card Files with Specific Attributes" is added under the Entity 'Task' of the above mentioned Entity Type and has the new configurable values:

"0" for 'Matched & Generic Files'

"1" for 'Matched Files Only'

Note: Option "0" is the default unless the user modifies it.

If the above option is set as '**Matched & Generic Files**', then whenever file attachments are matched in the current package, during Package Print, all these matched attachments are printed regardless if they are *Generic* or *Specific* attachments.

If the above option is set as '**Matched Files Only**', then whenever file attachments are matched in the current package, during Package Print, only *Specific* attachments are printed. *Generic* attachments are not printed.

But in the same scenario, let us assume that the *Specific* attachments are present for a Task but they are not matched in the current package. In this case, even if the above option is set as '**Matched Files Only**', *Generic* attachments will be printed.

Seq #	Task # 🔎	Revision #	Aircraft Model # 🔎	From Aircraft	To Aircraft MSN	Aircraft Ownership	Owning Agency # 🔎	Maint. Operator #	File Reference #	Folder	File Name 🔎
1	ATASK-1	0	A320			*		*	1	mtfa	001.pdf
2	ATASK-1	0	A320			*		*	2	mtfa	002.pdf
3	ATASK-1	0	A320	1000	2000	~		*	3	mtfa	003.pdf
4	ATASK-1	0	A320			Customer 🗸 🗸	100001	*	4	mtfa	004.pdf
5	ATASK-1	0	A320			Owned 🗸		STARK 🗸	5	mtfa	005.pdf

Example, consider the following data:

- 001.pdf and 002.pdf are the Generic attachments.
- 003.pdf, 004.pdf and 005.pdf are all Specific attachments.

When the set option is set as 'Matched & Generic Files', all files will be considered for printing regardless if it is a *generic* or *specific* attachment.

When the set option is set as 'Matched Files Only', and Package Print is done for a package of an Aircraft whose MSN is 1500 & Maint. Operator "STARK", then the files 003.pdf & 005.pdf are printed.

001.pdf & **002.pdf** are not printed though they are matched. Being generic attachments, they are overridden when the specific attachments **003.pdf** and **005.pdf** are printed.

Consider another example, where the Package Print is done for a package of an Aircraft which has a **MSN # 3400** and **Owned** with **Maint. Op.** as **'ABCD'**.

For this package, none of the *specific* attachments are matched. So, though the set option is set as '**Matched Files Only**', the *generic* attachments **001.pdf** & **002.pdf** are printed in this case.

WHAT'S NEW IN ENGINEERING ORDER?

Ability to set tree records sorting preferences for Manage Eng. Document activity

Reference: AHBF-3684

Background

This enhancement facilitates user to control sorting of documents displayed in **Manage Eng. Document** tree.

Change Details

This enhancement enables user to sort Eng. Document's / MCR's loaded in Manage Eng. Document tree based on process parameter 'Tree Sorting basis in Manage Engineering Document' added in **Common Master** business component.

A new process parameter "Tree Sorting basis in Manage Engineering Document" is added under a system defined Entity "--All Eng. Doc.--" of Entity Type 'Eng. Doc Type' with permitted values "0", "1" and "2". System sorts Eng. Documents in ascending order of Eng Doc # if value is set as "0". User can also select values "1" and "2" for sorting Engineering Documents in ascending and descending order of 'Effec. from Date' respectively.

Exhibit-1: For example if process parameter 'Tree sorting basis in Manage Engineering Document' is set as "0", system sorts Engineering Documents in the ascending order of Eng Doc #.

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	E	inks	-11	Priority		Eng. Doc. C	lass	Backgrou	nd						
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Note: If MCR documents are to be listed in the tree, the system lists them (based on above mentioned option settings) after listing all the Engineering Documents in the tree.

Additional Change Details

'Execution Action' control has been removed from following screens of **Engineering Change Management** business process:

- 1. Manage Eng. Documents (Main Tab)
- 2. Process Change Request
- 3. View MCR Processing Details
- Note: Removal of 'Execution Action' control does not affect system behavior anyway.

WHAT'S NEW IN AIRCRAFT MAINTENANCE PLANNING

Changes in Plan Aircraft Maintenance

Reference: AHBF-2486

Background

Plan Aircraft Maintenance activity has been enhanced to display Line Planning / Visit Planning view based on user preference.

Change Details

Currently, Line Planning view is defaulted on launch of Plan Aircraft Maintenance activity. As per current enhancement system will default the last view [Line Planning / Visit Planning] selected by user.

Exhibit 1 : Plan Aircraft Maintenance

	Last selected view will be	e defaulted on next login.
Review Fleet Maintenance Pla		
Basic Search Advanced Search		
- Plan Details		- Flight Details
C Line Planning O Visit Planning		A/C Reg #
Arrival Details		Maintenance Details
Station	v	Maintenance Item* 🔹 From / To Date 21/2014/08 🐻 25/2017/08 🕷
From / To Date & Time 21/2014/08 11:24:21	B Duration(Hrs)	
		Get Details
		Package Type 🔽 🕅 Assign 🗐 Release
Job Details		
	21-Aug-2014	4 22-Aug-2014
Aircraft Reg # / Work Unit #	00 01 02 03 04 05 06 07 08 09 10 11 12	13 14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20
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Displaying Tasks and Discrepancies in the same tab in Edit Package Additional Information screen

Reference: AHBF-2506

Background

In **Edit Package Additional Information** screen, the user can view Tasks and Discrepancies in a package and do bulk editing in separate views for each. This enhancement aims to simplify the user experience by enabling viewing of Tasks and Discrepancies at the same time in the **Task Details** tab by using a specific view filter.

Change Details

In the **Task Details** tab of the **Edit Package Additional Information** screen, the user is provided with 3 view filters (as shown in the Exhibit - 1):

- 1. Workscoping Items
- 2. Additional Items
- 3. Detailed Items

Exhibit – 1:

View Filters in the Edit Package Additional Information screen



- 1. Workscoping Items filter will display all the Tasks (in the package) for which Workscoping property is set as 'Yes' in their WBS Code.
- 2. Additional Items filter will display the Non-Standard Tasks and Discrepancies (in the package) regardless of their WBS Code.
- 3. **Detailed Items** filter will display all the Tasks for which **Execution Operations** is set as '**Yes**' in their WBS Code.

Now, with this enhancement, the **Detailed Items** filter will display all operational Tasks and Discrepancies.

A new Process Parameter 'Default Filter Criteria in the Task Details tab of Edit Package Additional Information' is added under the Entity '--All Packages--' of the Entity Type "Package Type" in the "Common Master" business component with the following configurable values:

- "0" for 'Workscoping Items'
- "1" for 'Additional Items'
- "2" for 'Detailed Items'

According to the option set by the user for the above parameter, the appropriate filter will be defaulted on page launch of the **Edit Package Additional Information** screen (for the Task Details tab only).

Ability to save modified records in Edit Package Additional Information

Reference: AHBF-3628

Background

With this enhancement in **Edit Package Additional Information** page, all modifications done in the multiline are processed and saved regardless of the selection of the records in the multiline.

Change Details

When a user modifies a record in the **Edit Package Additional Information** page and clicks on *Update Details*, only the modified records are processed and saved. With this enhancement, record selection is non-mandatory for update.

Anna

Note: After an error scenario, if the error record has to be ignored for updating, the same record can be deleted from the multiline and 'Update Details' can be invoked. System will ignore the removed record for processing.

Ability to Resequence Tasks and Discrepancies in Edit Package Additional Information

Reference: AHBF-2048

Background

Re-Generate Seq # in **Edit Package Additional Information** allows the user to resequence tasks and discrepancies in a package, so as to provide a way to easily reorder them or add new entries between them without having to manually renumber the records.

Change Details

Re-Generate Seq # button is available below the multiline in the **Task Details** tab of the **Edit Package Additional Information** screen when the **Detailed Items** view filter is selected.

To understand the functionality of Regeneration, let us take an example.

Assume that there is a Package with 5 Tasks/Discrepancies with Sequence numbers 1, 2, 3, 4 & 5 respectively.

Seq #	Task #					
1	000-05-110-300					
2	000-05-110-301					
<mark>3</mark>	1-00043545-ST01					
<mark>4</mark>	1-00043545-ST02					
<mark>5</mark>	1-00043545-ST03					

If the user wants to add a new Task with Seq # 2, he has to renumber all the records (marked in yellow) to accommodate the new record so the final result will look like this:

Seq #	Task #
1	000-05-110-300
2	NST-000123-2014
<mark>3</mark>	000-05-110-301
<mark>4</mark>	1-00043545-ST01
<mark>5</mark>	1-00043545-ST02
<mark>6</mark>	1-00043545-ST03

As the package size increases with more and more records, this becomes a cumbersome task.

Regeneration will help the user with this problem.

Consider the example again:

Seq #	Task #
1	000-05-110-300
<mark>2</mark>	000-05-110-301
<mark>3</mark>	1-00043545-ST01
<mark>4</mark>	1-00043545-ST02
<mark>5</mark>	1-00043545-ST03

Now user clicks the Re-Generate Seq # button.

System will resequence the records with the multiplication factor as defined in '**Re-Sequence Multiplication Factor**' under the Entity '--**All Packages--**' of the Entity Type "**Package Type**" in the **Common Master** business component.

Let the Re-Sequence Multiplication Factor be set as "2".

So now we have this:

Seq #	Task #
2	000-05-110-300
<mark>4</mark>	000-05-110-301
<mark>6</mark>	1-00043545-ST01
8	1-00043545-ST02
<mark>10</mark>	1-00043545-ST03

Now the user adds the new task with the Seq # 3 and Clicks **Save**. System will first sort the multiline according to the Seq #. In this case, the Seq # 3 of the new records falls between the first and the second record. So, we get this as the final result.

Seq #	Task #
1	000-05-110-300
2	NST-000123-2014
3	000-05-110-301
4	1-00043545-ST01
5	1-00043545-ST02
6	1-00043545-ST03

As we can see, we got the same result as the manually renumbering but in this case, we just clicked Re-Generate Seq # button, added a new task with a Seq # that falls between the records and saved.

Mote:

- During regeneration, all Tasks/Discrepancies in 'Cancelled' status will be moved to the last automatically.
- After regeneration, select all the records and then click Update Details. If the records are not selected, the changes will be lost on save. This will be addressed in a future release.

WHAT'S NEW IN AIRCRAFT/SHOP WORK MANAGEMENT

Changes in Manage Work Assignments and Reporting screen -Maintenance Object combo loading

Reference: AHBF-2480

Background

Current enhancement brings additional level of security control in Manage Work Assignments and Reporting screen. Users will be allowed to work on Aircraft Maintenance Execution reference documents and Shop Work order documents based on login user activity mapping rights for Record Aircraft Maintenance Execution Details & Record Shop Execution Details activities.

Change Details

Maintenance Object types will be loaded with values [Aircraft Reg #, Part / Serial #, Component #] based on login user activity mapping rights for Record Aircraft Maintenance Execution Details & Record Shop Execution Details.

Exhibit 1: Manage Work Assignments and Reporting

	Values will be loaded based on Activity Mapping as mentioned above.	
Manage Work Assignments and Reporting		Data Migration User - ABC Limited - ABC Role
	Date & Time Format	dd/yyyy/mm hh:mm:ss
Maintenance Object	Primary Work Center #	•
Ref. Doc. Type	Ref. Doc. #	
Review Work Manage Employee Work Component #		
Additional Search Criteria Part #/Serial #		
Display Option	Date From / To	22/2014/06 00:00:00 👼 20/2014/09 00:00:00 👼
Search On 🗸 🗸	Status	v
	Search	
Task # Task Descriptio	22-Jun-2014	23-Jun-2014
	0 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06	07 08 09 10 11 12 13 14 15 16 17 18 19
2		
2 M		E
년 년		
8		
······································		

WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION?

Renaming of Tally # to Tracking

Reference: AHBF-4100

Background

Tally # is a system generated numeral to track Tasks / Discrepancies that are added to a Aircraft Maintenance Execution Package. Tally # cannot be duplicated inside a Package. There can be only one Task / Discrepancy for a Package # / Tally # combination. As per business usage, this refers to running numbers for valid tasks within a package (when package print is taken, cancelled tasks in package are not listed in print & also should not be assigned Tally #s). Hence, this entity has been renamed as "Tracking #" in all user interfaces of Ramco M&E application.

Change Details

Tally # has been renamed to Tracking # across the product in the following screens:

- 1. Record Aircraft Maintenance Execution Details
- 2. Record Aircraft Execution Details
- 3. Record Part Consumption & Return
- 4. Plan Aircraft Maintenance
- 5. Edit Package Additional Information
- 6. Review Work Execution and Report Actuals

Exhibit – 1:

Tracking # in Record Part Consumption & Return



Exhibit – 2:

Tracking # in Record Part Consumption & Return



Ability to search by Source Task / Source Discrepancy in AME tree of the Discrepancy tab

Reference: AHBF-1663

Background

Search By / Search For option in the **Record Aircraft Maintenance Execution** screen facilitates the user to search against a certain criteria and filter the tree section.

The Search By option '**Discrepancy #/Task #**' will now display all child discrepancies of the Discrepancy # or Task # that is being searched for.

Change Details

The Search By option '**Discrepancy #/Task #**' will not only display the Discrepancy that is searched for in the **Discrepancy** tab, but will also show all child discrepancies that are reported under the current discrepancy that is being searched for.

When searched for a Task # in the **Discrepancy** tab, all the child discrepancies that are reported under the Task # will get filtered in the tree.

Example:

Consider the following data modelling (this is only for explanation purposes).

WP-000123-2014
Task # AMP-000001
Task # AMP-000002
🗸 Task # AMP-000003
Discrepancy # LC-00-01
Discrepancy # LC-00-01-1
Discrepancy # LC-00-01-2
Discrepancy # LC-00-02
Discrepancy # LC-00-03
Task # AMP-000004

Now, in **Discrepancy** tab, the **Search By** option '**Discrepancy #/Task #**' will display various results as shown in the below table for various **Search For** inputs.

S. No.	Search By	Search For	Results
1.	Discrepancy #/Task #	AMP-000001	-

2.	Discrepancy #/Task #	AMP-000003	LC-00-01
			LC-00-01-1
			LC-00-01-2
			LC-00-02
			LC-00-03
3.	Discrepancy #/Task #	LC-00-01	LC-00-01
			LC-00-01-1
			LC-00-01-2
4.	Discrepancy #/Task #	LC-00-01-1	LC-00-01-1
5.	Discrepancy #/Task #	LC-00-02	LC-00-02

Note: Searching for child discrepancies by providing the Source Task # or Source Discrepancy # works only in the **Discrepancy** tab.

Discrepancy Deferral based on End of Day option

Reference: AHBF-1616

Background

Discrepancy Deferral calculation logic will now consider the process parameter '**Next Due computation logic**' under the Entity '**Next Due Comptn. Logic**' of the Entity Type '**Maint. Program and Forecasting Options**'.

Change Details

The process parameter 'Next Due computation logic' under the Entity 'Next Due Comptn. Logic' of the Entity Type 'Maint. Program and Forecasting Options' has two permitted values:

- "0" for 'End of Day',
- "1" for 'Exact Date & Time'.

If the option is set as 'Exact Date & Time', the existing Discrepancy deferral logic is used.

If the option is set as '**End of Day**', then the Discrepancy deferral calculations will be done considering the process parameter '**Deferral Limit Basis for Calendar Day / Flight Day Computation**' under the Entity Type '**Deferral Type**' but with the Time of Deferral always set to end of day (23:59:59) regardless of the reporting station / viewing station.

Mote:

- 1. Hour based deferral will not move the time to 23:59:59 even if the option is set as 'End of Day'.
- 2. If 'Deferral Limit Basis for Calendar Day / Flight Day Computation' under the Entity Type 'Deferral Type' is set as "Not Applicable", then Date based deferral and Flight Day based deferral will not move the time to 23:59:59 even if the option is set as 'End of Day'.

Bypass Actual Start Date Update in AME for Material Issue Confirmation

Reference: AHBF-2139

Background

When a Task is in '**Planned**' status and a **Material Issue** is confirmed against the Task, then it will automatically go to '**In-Progress**' with *Actual Start Date / Time* being derived from the current Date / Time.

This change allows this feature to be bypassed based on set option.

Change Details

A new process parameter "*Task status change on Material Issue confirmation?*" is added under the Entity '--All Packages--' of the Entity Type 'Package Type' and has configurable values as:

- "0" for 'Not Required' \rightarrow default option
- "1" for 'Required'

If the option is set as '**Required**', then the existing functionality is retained. On Confirmation of **Material Issue** document, current server Date / Time is stamped as *Actual Start Date / Time* and the Task moves to '**In-Progress**'.

If the option is set as '**Not Required**', then the existing functionality is bypassed. On Confirmation of **Material Issue** document against the Task, the Task status is retained at '**Planned**' and *Actual Start Date / Time* is not updated.

Note: Once a Material Issue has been confirmed against a Task, the Task cannot be cancelled even if it is in 'Planned' status.

Ability to Raise Material Request for Supplier stock status

Reference: AHBF-1600

Background

Provision has been given to raise material request for Supplier parts from Aircraft Maintenance Execution component.

Change Details

Stock status combo will now load the values which are mapped to 'Material Request' transaction, and whose stock status attribute is either 'Ownership-Customer' or 'Ownership-Internal' or Ownership - Supplier'.

This change will be effective in the following screens,

- 1. Material Request tab in Record Aircraft Maintenance Execution details.
- 2. Record Direct Part Consumption tab in Record Part Consumption & Return screen.
- 3. Plan Material screen [in Compliance Tracking & Control]

		T		Data Migration Use	er - ABC Limited - ABC Role
Record Aircraft Maintenance Execution	Details				- ≍ 🖨 🖨 🕻
Exe. Details Aircraft Reg # VT-NDU Go	Station Atlanta Interna Vork Center	ATL-104-05 V Date & Time	21/2014/08 👥 12:13:54	. Hrs 1001.00	Flt. Cycles 1001
🔚 Open Items (1) 🛧 Discrepancies (1) 🗙 V	/ork Information (0) 🦓 Component Replace	ement (3) 🙀 Material Reques	t (3)		
Search Options: 🕢 Log Cards 📝 Minor 📝 Major	Search bySearch by	Search For	Go		
E Search - Filter × P Y P	Execution Record Details				
⇒ VP-001392-2014 ⇒ AVP-001392-2014/1		Vorte Center ATL-104-05 Date & Time 21/2014/08 12:13:54 Fit. Hrs 1001.00 Fit. Cycles 1001 ponent Replacement (3) Waterial Request (3) Search For Go V Search For Go Go Go Go Go [392-2014] Status In-Progress HS ES NR Category Repair Ref. Time ZoneAZT Orig. Work Center ATL-104-05 Maint.Event Package Desc. Image: Comparison of the status HS ES Record Status Discrepancy # Sign-off Status HS ES Image: Comparison of the status Image: Comparison of the status			
New Request	Exe. Ref. # Log card VP-001392-2014	Status In-Progress HS	ES NR Category Repair	Ref. Time ZoneAZT	
	Log # Orig. Work	Center ATL-104-05	h For Go Progress H5 E5 NR Category Repair V Ref. Time ZoneAZT L=104-05 Maint.Event V Package Desc. Record Status Discrepancy # Sign-off Status H5 E5 UnderResolution VP-001392-2014/1 Not Required		
	Discropance				
	l og Item # - Tally # - Seg #	Record Status	Discrepancy #	Sign-off Status HS	FS
	VP-001392-2014/1 1 1	UnderResolution	VP-001392-2014/1	Not Required	
	Material Request				
	🖬 🖬 😿 🕵				♦
	Material Request #	MR Status	MR Priority	Requirement Type	
			Normal		
	Part # 🔎	Part Description		New Part #?	
	Warehouse #	Stock Status	Oty. Required	Available Otv.	
+ Next Steps	IMC-561 V	· · · · · · · · · · · · · · · · · · ·			

Exhibit 1: Record Aircraft Maintenance Execution Details

Exhibit 2: Record Direct Part Consumption tab in Record Part Consumption & Return screen.

		Data Mi	igration User - ABC Limited - ABC Role
Record Part Consumption & Return			🖂 😂 🔁
Search Criteria			
Display Option All Parts	Aircraft Reg. # 👂 VT-NDU	Execution Ref. # / Description 🔎	
Task # / Description 👂	Part # / Description 👂	Customer # / Order #	
Search On 🔍 💌	Material Request # 👂	Requested Work Center #	T
	Search		
Return Unconsumed Parts Return Cores Record Direct Part Consumption			
Record Consumption Details			
🛋 🚽 [No records to display] 🕨 🕨 🕂 🗖 🗗 😪 🍸 🏹		X4 🕼 🗭 🖛 💷 🗛	▼ 0
# C, # P Part # P Serial # P Lot # P Used Otv.	Warehouse # Zone # P Bin # P S	tock Status Condition Remar	ks Attached?
1	~	× ×	
	9		
٠			•
Confirm Consumption 🔽 Record Part Consumption			

	Pl	lan Material								× =	3
								Date & Time Format d	d/yyyy/mm	hh:mm:ss	
- Se	arch Cr	riteria									
		Display Option	Always Required Pa	arts 🔻	Tas	k # / Discrepancy #			Description		
		Search On	Package #	T	Planned Da	ate : From / To Date	III		Material Request #		
		[Exclude Child task	s?		📄 Display Req	uested Items?				
						Search					
- De	fault D)etails									
_		A/C Dee #	•						Need Date	(m)	
		Tack # / Discrepancy #				Sen #	1		Need Date	₩ (0)	
	rt Dem	uirements				Seq #					
	re nequ	urements									
	•	[No records to display]	▶ ₩ + - (🗇 🛩 🖸 🐼 🔻 🕵				🖆 🗶 😫 🖛	III AI	Ŧ	Q
#		Reqd. Qty	UOM 🔎	Need Date	Warehouse #	Stock Status	Substitute Ty	pe	Substitute Part # 🔎	Avbl. Qty.	
1						*	*	~			
		4									

Exhibit 3: Plan Material screen – [in Compliance Tracking & Control]

Changes in Record Part Consumption & Return screen

Reference: AHBF-2750

Background

This enhancement brings the ability to return cores against issued parts, without recording a component replacement in system.

Change Details

To provide the ability to return a core, following changes are done in **Record Part Consumption & Return** screen.

Return Removed Cores tab has been renamed as "Return Cores", as returning of all parts, against a removal and also against an issue can be done in this tab. For returning a core against an issued item, user can enter the Removed Part #, Serial # and/or Lot # and return.

Exhibit 1:

ean	ch Criter	ia												_
		Display Option	ll Pending Return	Ŧ		Aircraft Reg. # 👂				Execution Ref. # / Des	cription 👂			
		Task # / Description 👂 🗌				Part # / Description 👂 📃				Customer a	# / Order #			
		Search On		T		Material Request # 👂 📃				Requested Wor	k Center #		Ŧ	
						Search								
urr	n Uncons	sumed Parts Return	Cores Record Di	ect Part Consumption										
		Deteile												
.et	um Pari	t Details												
0	4 1	- 10 / 408 🕞 🗭	+ - 🗆 🛩 🕇	1			上 三 日 🛛		🖹 🗷 🕒 🛛	E Al	Ŧ)	o
		Rem. / Return Serial #	Mfr. Serial #	Rem. / Return Lot #	Mfr. Lot #	Return Serial / Lot Type	Rem. / Return Qty	UOM	Reconcile Qty.	Reconciliation Remarks	Pending Return Qty.	Returned Q	χty.	2
		GGE167	GGE167			Existing 🗸	1.00	EA			1.00			
		801.1	801.1			Existing 🗸	1.00	EA			1.00			
		123				Existing 🗸	1.00	EA			1.00			
				LOT002270-2014	CR-1600	Existing 🗸	1.00	EA	0.00		1.00			
		GGE 100	GGE 100			Existing 🗸	1.00	EA			1.00			
		GGE 104	GGE104			Existing 🗸	1.00	EA			1.00			
		VIS-1	VIS-1			Existing 🗸	1.00	EA			1.00			
		COMPTCAS	COMPTCAS			Existing 🗸	1.00	EA			1.00			
		GGE112	GGE112			Existing 🗸	1.00	EA			1.00			
		SL-870800-2014	SL-870800-2014			Existing 🗸	1.00	EA			1.00			
														P.

Changes in Display Option:

Display option will have 4 values henceforth,

- 1. "All Parts",
- 2. "All Returned Parts",
- 3. "All Pending Return" and
- 4. "Pending Direct Consumption".

User can enter the following details in respective columns to return the parts,

- 1. Exe. Ref. #
- 2. Task #
- 3. Tally #
- 4. Seq #
- 5. Rem. / Return Part #
- 6. Rem. / Return Serial #
- 7. Rem. / Return Lot #
- 8. Rem. / Return Qty
- 9. Mfr. Serial #
- 10. Mfr. Lot #
- 11. Return Serial/Lot type
- 12. Return Classification

- 13. Return Stock Status
- 14. Condition
- 15. Certificate Type
- 16. Certificate #
- 17. Certificate Date
- 18. Expiry Date
- 19. Return Warehouse

Note : Added a new column Return Cost (Display Only)

If user wants to return a new Serial # and / or Lot #, can enter Mfr. Serial # and/or Mfr. Lot # for the part and select "New" in Return Serial / Lot type column.

Exhibit 2:

turn I Retu	Uno m P	art Details	Cores Record Direct Part C	Consumption								_
		1 - 10 / 408 🝺 📂					X C # #	Al		v	Q	
	8	Issued Part #	Issued Serial #	Issued Lot #	Issued Qty.	Exe. Ref. # 🔎	Tally #	Seq. #	Task # 🔎	Rem. / Return Part #		
	8					HP000003-2013	1	1	NST-000239-	01-0328-00-0051A		
						HP000003-2013	1	1	NST-000239-	015T1507-602:81205		
						HP000012-2013	1	1	NST-000262-	015T1507-602:81205		
		RT-LOT		LOT001167-2014	1.00	HP000041-2013	23	23	00-00	RT-LOT		
						HP000048-2013	3	3	NST-000680-	01-0328-00-0051A		
						HP000048-2013	3	3	NST-000680-	01-0328-00-0051A		
						HP000050-2013	1	1	NST-000465-	0-0110-3-0442:363615	HAZ	
	13					HP000053-2013	2	2	NST-000556-	TCAS		
						HP000063-2013	1	1	NST-000585-	01-0328-00-0051A		
						HP000120-2013	2	2	NST-001012-	0-0440-4-0011:36361		
		* III									F.	
			Update Reconcile			Return Ware	house	7	R	eturn Parts		

A link is added to view the Exe. Ref. Document, as shown in Exhibit 2.

Changes in Search Results:

This enhancement brings the streamlined view of search results, which makes Reconcile and Return transactions easy to do. Search results based on Display Option selection are listed below:

Return Unconsumed Parts tab

Display Option	Results
All Parts	All Issued Parts
All Returned Parts	All Issued Parts which are returned as excess
All Pending Return	All Issued Parts which are pending for return as excess

Note: Reconciliation of Cores can be done in "Return Parts" tab.

Return Cores Tab

Display Option		Results
All Parts	a.	All parts recorded as removed through a component replacement transaction.
	b.	All issued parts which have pending/reconcile/returned core against them.
All Returned Parts	a.	All parts which are recorded as removed through a component replacement transaction and are returned.
	b.	All issued parts which have returned core against them.
All Pending Return	a.	All parts recorded as removed through a component replacement transaction and is pending return.
	b.	All issued parts which have pending core returns against them.

On search, system retrieves the default Warehouse based on Part type, Part condition, Part stock status and ownership. User can directly return the parts or change the warehouse and return.

Notes:

- 1. Only alternates will be allowed to return against an issued core.
- 2. Additional lines without issue reference / removal reference cannot be entered for return.
- 3. With this enhancement Reconciliation of issued core can be done in "Return Cores" tab, instead of "Return Unconsumed Parts" tab [as was the earlier behaviour].

Changes in Record Part Consumption & Return

Reference: AHBF-2069

Background

Provision to generate Return Document Report has been given in Record Part Consumption & Return activity. This will enable user to easily print return report after parts return, instead of traversing into View Material Return page for individual return documents.

Change Details

"Generate Return Document Report" link has been added in Return Unconsumed Parts tab and Return Removed Cores tab of Record Part Consumption & Return activity.

Exhibit 1 - Return Unconsumed Parts tab

		Rec	ord Part Consu	Imption &	Return			·					0.000	×		3	?
	Retu	m Unc	consumed Parts	Return Re	emoved Cores	Record Direc	t Part Consumption	Search									^
	- Pai	t Cons	sumption Details –														-
	-	< (I	No records to displ	ay] 🕨 🕨	+ - 0	¥ 0 0	T 🔣		😕 🗉 🛛	x 🛛 🖿 x	•	All				Q	
	#		Tally # Ta	sk #	Issued Part #	Ŀ	ssued Part Description		Issued Serial #		Issued Lot #	UOM	Attached?	Used	d Qty.		
	1																
																	E
					_												
-			× [_			,	
				U	lpdate Consump	tion / Reconcil	le		Re	turn Warehouse		×.	Return P	arts			
E	dit Mai	ntenano	ce Return	n			Manage Employee Vi	Vork			Issue Certificate	of Maintenance					
Ľ	senerat	e këtur	rn Document Report	J													-

Exhibit 2 : Return Removed Cores tab

Record Part Co	nsumption & Return					×		;	?
Return Unconsumed Parts	Return Removed Cores	Record Direct Part Consumption	Search						^
Return Part Details —									
ৰ 🖪 [No records to d	display] 🕨 🗭 🕂 🗕 🕻	🖌 🕇 😨			All	T		0	
# 🗉 Tally #	Task # Removed Part	# Removed Part Description		Removed MSN Serial #	Removed MSN Lot #	Remove	d Qty.		
1									
<	III							Þ	в
	Update Consu	nption / Reconcile		Return Warehouse	v	Return Parts			
Edit Maintenance Return Generate Return Document Rep	port	Manage Employee Work		Issue Certific	ate of Maintenance				•

WHAT'S NEW IN SHOP WORK ORDER?

Usability Improvements in Record Shop Execution Details Screen

Reference: AHBF-2633

Background

This enhancement brings usability improvements in **Record Shop Execution Details** screen of **Shop Work Order** business component.

Change Details

When the search fetches either three or less work orders, the Work Order tree on the left side will be expanded till leaf level.

Exhibit 1:

an in Manual Assistion Solutions Delease 1.7. Solution 7	- <u>-</u>		t par	COM	parison		ewine (e) in	te Navigator - Karrico I	Contraction of Contraction		are certification -		1.1
			- pre-		ACCONC P				- Contraction		DANUSER - ARC	Limited - ABC	tate
cord Shop Execution Details											×		C 1
Search													
Search On Shop Work Order # V cwo-00063*				Get				Date & Time		-			
Account	Work A	ctual	Report F	indinas	Disass	emble & Assemble Core	Initial Works	noning Material Rec	uest				
C C C C C C C C C C C C C C C C C C C	HOIR A	ccum	Display I	у 🔿 Т	ask (D) :	Libtask	and trong	-opening Processing Proc	trant.				
⇒ CW0-000631-2012	- Task	Details											
Task	-	1	/1 -				13 M			AE	¥	P	
1 :: Operational - 1 :: YY	. 1	м	15 0	55	ES	swo # 🔎	. 1	ask Desc.	Task # P	Clock Start Date & Tim	e	Clock D	
	1 7	1 N	N N	1	NR.	CWD-000631-2012	3 1	ST-1	NST-006896-2014				
3 11-progress	2 3	1											
Completed													
1 1 1 BH 1 14-100-05 11													
(P) turks													
		•	1									1.1	
Record Malang Parts List	- Time	Sheet						m-Off Details					

If a single work order is fetched and if the process parameter "Auto-populate task details in work actual tab on search" is set as "Yes", all the tasks /discrepancies available in the tree will be transferred to the multiline.

Exhibit 2:

	Entity Type Shop Work Order Type	T.	Entity	-All Work Order 🔻	
	Record Status Active		Process Parameters Defined? Y	es	
	rocess Parameter List				
-		<u>ک</u>		AI	¥. 5
•	Process Parameter	Permitted Values	Value	Status	Error Me
	Print TSO and TT in COM	Enter "0" for 'No', "1" for 'Yes',	٥	Defined	
	Employee Time Sheet Update Mode	Enter "0" for 'Clock' , "1" for 'Manual' , "2" for 'Clock & Manual'	2	Defined	
	Authorization of Timesheet Records	Enter "0" for 'Not Required', "1" for Required	0	Defined	
	Default Context Date?	Enter "0" for 'Not Regured', "1" for 'Regured'	1	Defined	
	Planning Horizon (Days)?	Enter a Positive Integer	60	Defined	
	Allow Modification of authorized time sheets	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
	Enable check for parts pending for return on Order completion?	Enter "0" for 'No' , "1" for 'Yes'.	1	Defined	
	Allow Issue of Serviceable parts having Over-Due / Retirement Tasks ?	Enter "0" for "Not Allowed" , "1" for "Allowed"	1	Defined	
	Allow order generation during removal on Work Center / Repair Agency different	Enter "0" for "Not Allowed" and "1" for "Allowed"		Not Defined	
0	Print Employee Name in FAA 8130-3 Report	Enter "0" for 'No', "1" for 'Yes'	1	Defined	
1	Print European Standard Text in FAA 8130-3 Report	Enter "0" for 'No', "1" for 'Yes'	t	Defined	
2	Task Card Print Format	Enter "0" for 'Operator' or Enter "1" for 'MRO.'	1	Defined	
3	Default Report Findings Details	Enter "0" for for 'Observation' , "1" for 'Discrepancy'	0	Defined	
14	Auto-populate task details in work actual tab on search	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
5					

Exhibit 3:

arch -															
earch On Shop Work Order # wo-0006	31-2012	ľ.			1	Get				Date	a Time 28/08/20	14 17:44:20			
Append	Wor	k Act	ual	Repo	rt Find	ings	Disass	semble & Assemble Core	Initial We	rkscoping	Material Request	1			
StopWorkOrder CWO 000631-2012		ask De	etails	Displ	lay by	Ta	sk © :	Subtask							
B Planned	-	•	1	8/3	•	+	- (3		F 🗇 🕶 🙂		AI	×	ø
1 :: Operational - 1 :: YY	8.	D	Μ	HS	a	55	ES	SWO # 👂	8	Task Desc.	T	isk # 👂	Clock Start Date & Tin	me Os	ck E
1 1 4 :: NST-2 :: YYZ-165-00	1	10	N	N	NS	I	NR.	CWO-000631-2012		NST-2	N	T-006897-2014			
E In progress	2	13	N	N	NS.	1	NR	CWO-000631-2012	1	NST-1	N	T 006896-2014			
3 :: NST-1 :: YYZ-165-00	3	10	N	N	NS.	NR:	NR	CWO-000631-2012	4	Operational	1 0	ERATIONAL - 1			
	4	13													
E															
Links					111										
ecord Missing Parts List	En	ime S	reet		111				-	Sign-Off Del	ails				-jaci

All the tasks / discrepancies in any folder of the tree can be transferred by clicking on the particular node (only for **Work Actual** tab). For Example, if the below nodes are clicked, the following tasks or discrepancies will be transferred to the multiline from the tree:

- SWO # All the tasks and discrepancies that are available under the work order.
- Task Folder All the tasks that are available under the work order (irrespective of the status).
- Discrepancy Folder All the discrepancies that are available under the work order (irrespective of the status).
- Status Node All the Tasks or Discrepancies that are available under the work order with the particular status.
- Leaf Node Only the particular task or discrepancy details that is clicked.

While transferring, the records in the multiline will be cleared (except clocked on tasks) if the 'Append' checkbox (only for **Work Actual** tab) above the tree is not checked. Else transferred task / discrepancies will be appended to initial rows.

Exhibit 4:

dı														
rich On Shop Work Order # * 5wo-0006	1-2012	1				Get	J			Date & Time				
Append	Wor	nk Ac	tual letails	Repo	rt Findi	ngs 😨 Ta	Disasse sk (C) 54	emble & Assemble Core	Initial Wo	rkscoping Material Reg	ivest			
I Task	•	•	1	2/2		I II	- 6		3 -1			AL	(v)	Q
 31 :: Operational -1 :: YY 34 :: NST-2 :: YYZ-165-00 31 :: NST-1 :: YYZ-165-00 31 :: NST-1 :: YYZ-165-00 	2 2	0000	N N	NNN	CT NS NS	SS I NR	ES NR NR	SWO # CWO-000631-2012 CWO-000631-2012	# 4	Taol Desc. 1937-2 Operational - 1	Task # P NST-006897-2014 OPERATIONAL - 1	Clock Start Date &	Time	Clock E
Links cord Missing Parts List	81	ime S	* in	_					-	Sign-Off Details				-2

Camilla

Note: Append Check box feature is available only in Work Actual tab of Record Shop Execution Details screen.

Report Findings tab

When the **Report Findings** tab is clicked or on search in the tab, if a work order context is available, the work order number will be fetched and displayed in the 'SWO #' field. And if the Work order has only a single task, it will be displayed in the 'Reference Task' field.

Exhibit 5:

Record Shop Execution Details		2
Search		*
Search On Shop Work Order # CWO-00062	2-2012 Get Date & Time 28/08/2014 18:00:38	
	Work Actual Report Findings Disassemble & Assemble Core Initial Workscoping Material Request	
ShopWorkOrder GOVO-000622-2012 GOVO-00062-2012 GOVO-00062-201 GOVO-00062-2012 GOVO-00062-2012 GOVO-00062-201		ш
Servation Servation Servation	Hain Core Details Customer Order Details	
	Part Disposition Report Findings	
	Observation Observation	
	Description Reported by P 01024 Date & Time R	
Links	Update Hntengs Edit Discrepancy Add. Info. Author Repair Procedure Create Eng. Service Request Inquire Eng. Service Request Review Discrepancy History	
Record Missing Parts List		+
Shop Work Order -> Record Shop Execution Details		e PP

The discrepancy / observation details will be defaulted (Exhibit 5) based on the value set in process parameter "Default Report Findings Details" (Exhibit 2).

Disassemble & Assemble Core tab

When the **Disassemble & Assemble** tab is clicked or on search in the tab, if a work order context is available, the work order number will be fetched and displayed in the 'SWO # field'. And if the Work order has only a single task, it will be displayed in the 'Restoration Task' field.

Exhibit 6:

ch On Shop Work Order # V CWO-00065	22-2012	Get		Date & Time 28/08/201	4 18:00:38 🛛 🛤		
	Work Actual Report Find	Ings Disassemble &	Assemble Core Initial V	Vorkscoping Material Reques	t		
🚼 🎀 📮 🔭 Search - Filter 🙁 🔎 🍸	Execution Details						•
Ssued Parts list	SWO # CW	cw	0-000622-2012	Event # CWO-0	0622-2012	Primary Work Center	HYD
No Part Available	Status Plan	ned		Job Type Piece P	rt		
	Hain Core Details						
	Customer Order Details						
	Replacement Details						
	Restoration Task # 👂 NST	-006797-2014		Reason		¥	
		Action 🔘 Disasser	nbly 🖲 Assembly 🔘 Disas	sembly & Assembly			
	🛨 Search						
	Part Details						
	Provention of the second second second				Second States and Second States		
	M I [No records to dis	play] 🕨 📂 🕂 🗕			6 4 2	Al	v
	# 🖾 OffPart # 👂	Off Serial # P	Off Comp. # P	Initial Disposition	Std.	Exich.? Re	emoval Qty.

The parts issued to the work order will be listed in the tree when the user clicks on the issued part list tree. The user can transfer the details of the part from the tree by clicking on the part detail. Part details will be transferred from tree to selected row in multiline. If no row is selected in Part Details multiline, transfer will happen to the last row of multiline.

Canada

Note: The details will be transferred when the Assembly or Disassembly & Assembly radio button is checked.

Exhibit 7:

On Shop Work Order # CWO-000618-	2012	Ge	t	Date	8.Time 28/08/2014 18:21:47	10		
	Work Actual	Report Findings	Disassemble & Assemble Core	Initial Workscoping	Material Request			
Po F Search - Filter X P	Execution I	Details						
CWO-000618-2012		SWO # CWO	CWO-000618-2012		Event # CWO-000618-2012	Primary Wo	rk Center HYD	
3 1 :: NST-006777-2014 :: Task1		Status Planned			Job Type Piece Part			
E 0-00456701:363005::ENGIN	Hain Core	Details						
	+ Customer (Order Details						
	- N Jaceme	ent Details						
	Pastaration	ch a O hurr anorm		Deser				
	Restoration	NS1-00675	Astian Disassembly Assembly	Concernation of Access	an			
	(D) Canada		Action O Disassenioly Assenioly	C Disassembly & Assem	ыу			
	Search							
	Part Detail	-						
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	स न 1	-1/1 🕨 🕪				All	v	Q
		- 1 / 1 🕞 🍽	+ - 0 14 0 0 17 12	Dn Comp. # P At	🛗 🔀 🕃 📮 🗃	All Serial # Type	* Removed MSN #	D I
		-1/1 >> >> >> On Part =	+	Dn Comp. # P At	ttachment Qty.	All Serial # Type Existing	Removed MSN #	

Material Request tab

When the **Material Request** tab is clicked or on search in the tab, if a work order context is available, the work order number will be fetched and displayed in the 'SWO #' field. And if the Work order has only a single task, the task details will be appended and displayed in the multiline for the user to generate material request. If a material request is invoked with task context, the task details will be defaulted in multiline for the user to generate material request.

Record Shop Execution Details									×		\$	÷
- Search												
Search On Shop Work Order # CWO-0006	22-2012		Get			Date & Time 28/08/	2014 18:24:42 🐻					
	Work Actual	Report Findings	Disassemble	e & Assemble Core	Initial Workscoping	Material Requ	est					
[1] [1] [1] Search - Filter ★ P [7] [2] (2) Show Work Order (2) CONS22-2012 (2) CONS22-2012 (2) II II Single Task II: NST-006797-2014 [1] New Request	Execution Main Core Customer Part Detai	Status Panned Status Panned Job Type Picce Part status Primary Work Center HY Job Type Picce Part										
	# Ta	ask # 👂 Sei ST-006797-2014	q. # Part 1	# P Est. Qty	. Qty. Req	d. UOM	Warehouse #	Stock Status	*	Avbl. Qty.		
	2 0					~		*	~			

If user tries to raise material request for a part without task details entered, system will automatically raise the part request against task defined in previous row of multiline.

For Example:

Consider if material request is to be raised for part P2 without entering task details in multiline, system will automatically raise the part request against task defined in previous row of multiline (here Task T1).

Task #	Seq. #	Part #
T1	1	P1
		P2

Additional Changes:

- 1) Task details in **Work Actual** tab will be retained in **Task Details** multiline (irrespective of considering whether task is Clocked On) if user returns to **Work actual** tab even after traversing through various other tab pages.
- 2) Cancellation of task is allowed only if no material/resource consumption (or) component replacement is done against it.
- 3) For non-clock mode of operations, actual 'End Date and Time' of Task will be defaulted based on 'Date & Time' provided at header section of **Record Shop Execution Details** screen.
- Note: In these scenarios, actual End Date & Time will be derived as task's actual End Date & Time minus Est. Elapsed Time.
- 4) 'Start Date & Time' and 'End Date & Time' multiline control in Work Actual tab of Record Shop Execution Details screen is renamed as 'Clock Date & Time' and 'Clock Date & Time'.

Ability to Record Direct Part Consumption

Reference: AHBF-2976

Background

The below-mentioned business practices are sometimes followed by Operators / MROs within the shop maintenance function:

- 1. Shop Mechanic himself issues/picks parts needed for maintenance. This scenario is generally seen in small bases where the Shop Mechanic himself is responsible for inventory management (no separate role controls issue of parts for maintenance).
- 2. Project Work Orders are setup for backdated reporting of work performed during aircraft maintenance in remote field bases. Project work orders are setup primarily to:
 - a. Update resource/material consumption information in system
 - b. Maintain task compliance history in system
 - c. Bill customer based on work actuals recorded in system

Current enhancement satisfies the above business needs and enables the user to record direct consumption of parts against shop work orders.

Change Details

Return Parts activity has been renamed as **Record Part Consumption and Return**. A new tab **Record Direct Part Consumption** has been added.

	Exhibit 1:	Record	Direct	Part (Consum	ption	tab
--	------------	--------	--------	--------	--------	-------	-----

		Display	Option Al Pending	Parts	¥				Part # / Serial			1
		5	WO #					Reg. Par	t # / Descriptio	n [
		Task # / Desc	ription	1				Customer #	/ Cust. Order			
		Sear	rch On	*					Work Center		¥.	
		Display O	ption 🔘 Top Ass	iy, Work Orders 🛛 🕲) All Work Orders							
						Search						
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idated Part R	Return Details	Return Main Co	re Return Rem	noved Cores Ref	turn Unconsumed Part	s Record	Direct Part Cons	sumption <=	New Tab			
ord Consump	ption Details											
al a . 10	0/10		2									0
a 1	SNO = 0			Part # 0	Mfr. Davit # 0	M6 = 0	Cardad # O	Mfr. Savid # 0		Al M6 Lot # 0	Liked Obs	Waraha wa #
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Record P	Part Consum	ption & Retur	n									× = 0
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Record Pa	Part Consum	ption & Retur	Dotion All Pending	Parts	Y				Part # / Serial :	·		X
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Record P.	Part Consum	ption & Retur Display (S Task # / Desc	Dotion Al Pending	Parts	•			Req. Par Customer #	Part # / Serial a t # / Descriptio / Cust. Order (X 🛢 🕫
Record Po h Criteria	Part Consum	Display (Display (Stark # / Desc Sear Display ()	Dotion All Pending WO #	Parts V J J J Work Orders ©	All Work Orders			Req. Par Customer #	Part # / Senial i t # / Descriptio / Cust. Order = Work Center =	5 5 5	The second secon	
Record P.	Part Consum	Display I S Task # / Desc Sear Display O Return Main Co	All Pending WO #	Perts	Al Work Orders turn Unconsumed Part	Search	Direct Part Cons	Res, Par Customer #	Part # / Serial t # / Descriptio / Cust. Order I Work Center I		¥	Currency
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The user can provide the SWO #, Seq. #, Task # / Disc #, Part # / Mfr. Part # & Mfr. #, Serial # / Mfr. Serial #, Lot # / Mfr. # Lot #, Used Quantity, Warehouse #, Zone #,

Bin #, Stock Status, Condition and Remarks either manually or through help and record the part consumption.

The record will be in "Pending confirmation" status if the 'Confirm Consumption' checkbox is not checked (Note: 'Confirm Consumption' box will be checked by default on page launch).

If it is checked when user clicks on record part consumption,

- a. Material request is created in "Closed" status
- b. Material issued is created in "Confirmed" status
- c. Stock balance is reduced for the issued part
- Note: The user will not be able to delete the records once confirmed.

Search Behavior:

The user can fetch the saved "Pending Confirmation" records, by selecting the display option in search criteria as "Pending Direct Consumption", to confirm the part consumption.

If the display option is set as "All Parts", both the pending confirmation and confirmed records will be fetched.

How to setup?

- a. 'Allow direct part consumption?' option at work order type level needs to be enabled in the **Define Process Entities** activity of **Common Master** Business component. (Refer Exhibit-2).
- b. 'Backflush' option needs to be enabled at:
 - Work Center level for each part type: Associate Warehouses page (Identify Exe. Unit Work Centers activity of Work Center business component) (Refer Exhibit-3)
 - ii. Warehouse level: Create / Edit Warehouse Information activity (Storage Administration business component) (Refer Exhibit-4)
 - iii. Part level: Maintain Planning Information activity (Part Administration business component) (Refer Exhibit-5)

Note: If any other value is set for display option, no records will be fetched in the tab.

Exhibit 2:

Back Flushing option at work order type level – **Define Process Entities (Common Master** Component).

Record Status Active	Process P	arameters Defined? Yes		
ocess Parameter List				
4 26 - 50 / 50 🕨 🗭 🕂 🍸 🕱	1 I X X	📋 🔀 🐺 🖽 🖬 🖬	•	
Process Parameter	Permitted Values	Value	Status	Error M
Auto Return of Parts ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined	
Enforce Excess/Core Returns on order dosure ?	Enter "0" for 'No' , "1" for 'Yes'	0	Defined	
Allow Reconciliation of Parts?	Enter "0" for 'Not Allowed' , "1" for 'Allowed for Reconcile Core' , "2" for 'Allowed for	0	Defined	
Auto Inclusion of Overdue Tasks ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined	
Default Sign-Off requirement for Non-Routines ?	Enter "0" for 'Mechanic' , "1" for 'Mechanic & Inspector', "2" for 'Inspector', "3"	3	Defined	
Enforce Sign-Off ?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
Permit Dual Sign-off by the employee ?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
Allow reporting by different employee?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
Allow Task Reporting by ?	Enter "0" for 'All Employee' , "1" for 'Assigned Employee'	0	Defined	
Ref. Date for Compliance ?	Enter "0" for 'Start date', "1" for 'Task Completion date', "2" for 'CoM Date'.	1	Defined	
Backdated reporting Time Limit (in days)	Enter a positive integer	5	Defined	
Assembly status check on attachment ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined	
Acknowledge Receipt	Enter "0" for 'Manual' , "1" for 'Automatic'	1	Defined	
Allow modification of Task Sign-Off requirements	Enter "0" for 'Not Allowed', "1" for 'Allowed for Routine tasks', "2" for 'Allowed for	2	Defined	
Allow re-opening of completed orders / tasks?	Enter "0" for 'Not Allowed' , "1" for 'Allowed'	1	Defined	
Allow reporting on completed orders / tasks?	Enter "0" for 'Not Allowed' , "1" for 'Allowed'	1	Defined	
Allow time reporting on discrepancies?	Enter "0" for 'Not Allowed' , "1" for 'Allowed'	1	Defined	
Allow discrepancy dosure with open service request?	Enter "0" for 'Not Allowed' , "1" for 'Allowed'	1	Defined	
Allow receipt to different work center?	Enter "0" for 'Not Allowed' , "1" for 'Allowed'	1	Defined	
Material Movement Document Print on Requistion from Planner	Enter Value for the option to be get as	0	Defined	
Default Shop Work Order Type for Auto generated Project work orders?	Enter value for the option to be set as	0	Defined	
Default Shop Work Order Type for Auto generated Miscellaneous work orders?	Enter	0	Defined	
Enforce Ref. doc. # for CoM	Enter "0" for 'Non-mandatory' , "1" for 'Mandatory'	0	Defined	
Allow Issue of Serviceable parts having Over-Due / Retirement Tasks ?	Enter "0" for "Not Allowed", "1" for "Allowed"	1	Defined	
Direct Part Consumption	Enter "0" for 'Not Required", "1" for 'Required'	1	Not Defined	
4	m			

Exhibit 3:

Back Flushable option at Work Center level for each part type - Associate Warehouses (Identify Exe. Unit Work Centers activity - Work Center business component)

	Associate Wareho	ouses					×	e	• ?
- w	ork Center Details	Work Center # HYD Work Center Description Hydraulic Shop				Work Center Type Shop			
-	 1 -7/7 ▶ ▶) i s	ß	🖹 🕺 👎 💷 🗛	•		Q
#	1	U/S Receiving Warehouse # 🔎	Scrap Warehouse # 🔎	Auto Return ?		Back Flushable	Excess Return Policy		
1	0	00123	Sot Pack Elusbable	ontion as	~	Yes 🗸 🗸	Issue Warehouse #		Y
2	E	00123	Set Dack I lusi lable	: upilon as	*	Yes 🗸	Issue Warehouse #		*
3	E	00123	00125		¥	Yes 🗸	Issue Warehouse #		*
4	E	00123	00123	Required	~	Yes 🗸	Issue Warehouse #		*
5		00123	00123	Required	×	Yes 🗸	Issue Warehouse #		*
6	10	00123	00123	Required	×	Yes 🗸	Issue Warehouse #		*
7	8	00123	00123	Required	Y	Yes 🗸	Issue Warehouse #		~
8	E			Not Required	*	No 🗸	Issue Warehouse #		*
	•						m		•
			Associate Wareh	ouses					
Work Cen	ter -> Associate Work Center	Attributes						💿 59 Mir	ute(s) 6:32

Exhibit-4:

Allow Backflushing option at Warehouse level: Create / Edit Warehouse Information activity (Storage Administration business component)

		Date Form	at dd/mm/yyyy
Warehouse Details Warehouse Original Warehouse Orig	heck the 'Allow Bac	kflushing'	IS Active T
Warehous		Finance Book	ABCPFB1
Storage Locate	THEY	Warehouse Catego	V SER PARTS
Warehouse Settings		V Allow Reservation / Hard Allocation	Offine Usage
Address	64, Sardar patel road,Taramani,		* *
City	Chennai	Sta	Tamil Nadu,
Zip Code	600113	Count	7 India
Warehouse Incharge 👂		Incharge Nam	e
Warehouse Capacity Setting			
Capacity Constraint	Not Applicable *	Volume LOM	0
Weight		Weight LON	
Other Details		Wegit ook	
User Defined Detail - 1		User Defined Detail	2
Attachments		View File	

Exhibit-5:

Canal and

Backflush option at Part level: Maintain Planning Information activity (Part Administration component) (Exhibit-5)

Planning Turne	Napa	Replanishment Activity Ry	N	Raplanishmant Activity At	Maria
Planning Type	None	Repensiment Activity by	None *	Repletistiment Activity Ac	None
Stock UOM	EA	Minimum Qty		Maximum Qty	
Reorder Level		Reorder Qty		Safety Stock	
Minimum Issue Qty		Avg.Transfer Lead Time		Lead Time Unit	•
 Replenishment Parameters Details 					(I)
Annual Consumption		Per Order Cost	CAD	Carrying Cost	CAD
Service Level in %		Lead Time		Lead Time Unit	Ŧ
 Analysis classification & Movemen Part Analysis Classification 	t strategies			Default Stock Movement Strate	nies
	-				
ABC Class	None	XYZ Class	None Enable	ontion for the part	Existing Stock Addition
FSN Class	N	VED Class	None	option for the part	Minimum Zone/Bin
 Usage, Source and Other Details 					
- Usage Details		- Source Details		- Other Details	
Tor Sale		V Purchase		Allocable	Back Flushing Required
V For Maintenance		SubContracted		Storage Allocation Mandatory	QC Clearance Required
V For Loan		🗹 On Loan		Hazardous	
V For Pool		V From Pool		On Warranty	
		On Exchange			
Scrap Info					
and the second se		Action on Phase out	Nana		
Scrap Note Process	v v				

Note: The part has to be available at the warehouse which is mapped to the work center of the task or a matrix warehouse to the warehouse mapped to the work center with only direct issue option.

Ability to Generate Return Report from Return Parts Screen

Reference: AHBF-3551

Background

Provision to generate Return Document Report has been given in **Record Part Consumption & Return** activity. This will enable the user to easily print return report after parts return, instead of traversing into **View Material Return** page for individual return documents.

Change Details

Generate Return Document Report link has been added in Return Main Core tab, Return Removed Cores tab and Return Unconsumed Parts tab of Record Part Consumption & Return activity.

	Record Part	Consum	otion & Return									×] 🗇	•	?
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- Main	Core Details													_	
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Exhibit 2: Return Removed Cores tab

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Exhibit 3: Return Unconsumed Parts tab

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WHAT'S NEW IN COMPLIANCE MANAGEMENT?

Ability to Mandate Remarks for modified records in Maintain Discrepancy Information

Reference: AHBF-3535

Background

Maintain Discrepancy Information page allows the user to create / update Discrepancy records. *Remarks* for the records were optional. Now with this change, *Remarks* is made mandatory on modification of existing records.

Change Details

When a user modifies a record in the **Maintain Discrepancy Information** page, *Remarks* will be mandated. This is based on a set option defined in the **Define Process Entities** page.

A new Entity '**Discrepancy**' is added under a new Entity Type '**Discrepancy Management**' and a new process parameter "*Mandate Remarks for modified records in Maintain Discrepancy Information?*" is added under the same Entity in the **Compliance Tracking & Control** business component. The newly added parameter has configurable values as:

- "0" for 'No' → default option
- "1" for 'Yes'

If the option is set as 'No', remarks will not be mandated. If the option is set as 'Yes', Remarks will be mandated only when the user modifies an existing record.

Note: For new records, Remarks will never be mandated (regardless of the set option).

Note: Even if Remarks already exists for a record, if the user modifies the record, system will mandate the user to enter new Remarks that should not be the same as the earlier Remarks.

WHAT'S NEW IN UPLOAD DOCUMENTS?

Enhancements in upload document activity

Reference: AHBF-3844

Background

Ramco Aviation Solution is having a function to associate external documents to its transactions. Presently these documents are moved into the identified document repository through FTP (File Transfer Protocol). Considering the infra requirements at client machines, this FTP based approach has been re-engineered to use HTTP(S).

In the proposed approach, file server accessible as file share from the web server will be used as document repository. Documents are uploaded from the client using HTTP / HTTPS.

Change Details

This enhancement enables user to upload documents using HTTP / HTTPS. The new Upload Documents screen will have two sections:

- 1. Org. unit Details
- 2. Upload File Details

A new control 'Select File' is added in 'Upload File Details' section of **Upload Documents** activity which contains 'Browse Folder' icon and 'Delete' icon. The uploaded file will be displayed as hyperlink in 'Select File' control. User can view the uploaded file using this hyperlink.





Clicking on the 'Browse Folder' icon will launch 'Upload Files' pop-up screen which enable user to upload files from local disk or the Intranet (shared network folder) to destination sub folder defined in **Set Options** activity.

The system provides following three options when user tries to upload an existing file:

- 1. Replace The Uploaded file replaces the duplicate file in the destination folder
- 2. Save As New The uploaded file is saved as a new file in destination path
- 3. Warn & Abort The system aborts the upload action with a warning message.

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Exhibit 2: Upload Files screen

The Object Attachment **Set Options** activity has been modified as part of this enhancement. The new **Set Options** page comprises three newly added sections such as:

- 1. HTTP Server Details
- 2. OFMS FTP Server Details
- 3. Default Details
- Note: OFMS FTP Server Details will be enabled only for 'Offline Field Management System' Applications)

'HTTP Server Details' and 'OFMS FTP Server Details' section captures credential details of HTTP and OFMS FTP servers respectively. Controls in Upload files screen can be defaulted using 'Default Details' section.



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- Note: Folder Name mentioned in Destination Path details multiline refers to folder defined under the path entered in the Default Destination Path.
- Kindly refer to the file "Document Attachment Feature ReadMe.pdf" available in "Rel5.7.1.11\ManualDeployment\Docattach Document" folder to know more about the Configuration Setup details.



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