# RAMCO AVIATION SOLUTION ENHANCEMENT NOTIFICATION Version 5.8.3

**Maintenance** 

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# ramco

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# WHAT'S NEW IN AIRCRAFT?

# Ability to conditionally delete parameters mapped to Aircraft and Component

AHBG-11982

#### Background

In specific scenarios, the Technical, Attribute, Consumption and Range parameters mapped to aircraft and components become redundant or mapped wrongly and hence may need to be disassociated from the maintenance object. Currently, users are not allowed to delete parameters mapped to aircraft and components. Conversely, owing to changed circumstances, some of the deleted parameters could become applicable to the maintenance object yet again.

#### **Change Details**

This enhancement enables deletion of parameters mapped to maintenance objects based on a new process parameter 'Allow deletion of parameters for Aircraft and Component'.

The process parameter 'Allow deletion of parameters for Aircraft and Component' under the entity type 'Tech Records Process Ctrl' for the entity 'Manage Technical Records' in the Define Process Entities activity of Common Master has been introduced to ascertain whether the user is allowed or disallowed to delete the parameters.

Process	Parameter	Impact
value		
1/Yes		The user can delete aircraft and component parameters in the Aircraft component
0/No		The user cannot delete aircraft and component parameters in the Aircraft component

In the Aircraft component, as facilitated by this enhancement, users can now delete the Technical, Attribute, Consumption and Range parameters associated with aircraft and components as illustrated in the table.

Activity	Pages
Edit Aircraft Record	Edit Technical and Attribute Parameters
	Edit Consumption and Range Parameters
Edit Component Record	Edit Technical and Attribute Parameters
	Edit Consumption and Range Parameters

Change

Note: The deleted parameters are disassociated from the aircraft and component and not from the attached components/sub-assemblies.

The enhancement also provides for the following to ensure the retrieval of the present value of the parameter in the event of associating deleted parameters to the aircraft/component again:

- D Maintains a log to save the details of the deleted parameter
- **D** Retains the history of the parameter value update

#### Exhibit 1: The Edit Technical and Attribute Parameters screen in the Edit Aircraft Record activity

Edit Technical & Attribute Parameters	Ramco Role - RAMCO OU 🥡 🤞 6 7 8 9 10 > >> 9 /500 🕫 🖶 🗧 🗲 ? 🗔 🗷													
	Date & Time Format dd/mmm/yyyy													
Aircraft Reg. # 1573	1573 Manufacturer Serial # A11573													
→ Parameter Details														
# Parameter P UOM Parameter Type Parameter Sou	rce Present Value As of Date As of Time													
Click the Delete icon to del parameters selected in the mult	ete the iline.													
<	>													
Edit Parame	ters													
Initialize Parameter Values														

#### Exhibit 2: The Edit Consumption and Range Parameters screen in the Edit Aircraft Record activity

*	★ 🔋 Edit Consumption & Range Parameters Ramco Role -								RAN	MCO OU ң 🛉 6		7	8		1	) >	▶ 10	/500	"		ţ	÷	?	[ø]		
	)		D-t-1-								_	Date & T	īme	Fo	rmat	dd	mmm/	yyyy								
Aircraft Details				Aircraft Reg. # 1574	Click the	D	elete icon to	delete	the		Manuf	fact	ure	r Seri	ial #	AI15	74									
Parameter Details				incognode ing	parameter	'S S	selected in the	multilin	Э.																	
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-			Parameter 🔎	UOM	Parameter Type	Life Parameter		Parameter Source	Present Value		As	s of Date	A	ls 01	f Time	е	Range	: From	n Ran	је: То	A	verag	e Daily I	Jtilizati	on	
1			ENGCT	CC	Consumption	No	¥	Flight Log 🗸 🗸		0.00																
2			FC	CYC	Consumption	No	~	*		117.00	26	5/Jan/2017	04	4:01	00:0											
3			FH	HRS	Consumption	Yes	~	*		395.00	26	5/Jan/2017	0	4:01	0:00											
4						No	~	Flight Log 🗸 🗸																		
			<																							>
										_																
								Edit	Parameters																	
In	haliz	Par	ameter Values																							_
	uoliz	- di	anneter values																							

#### Exhibit 3: The Edit Technical and Attribute Parameters screen in the Edit Component Record activity

Edit Technical & Attribute Parameters	Ramco Role - RAMCO OU 🤫 🖌 6 7 8 9 10 🕨 😕 9 /500 🕫 🖶 🗲 🖓 [
Component Details	Date 8. Time Format dd/mmm/yyyyy
Component # A103197 Mfr. Part # / Mfr. # Serial # ENG2MSN	Click the Delete icon to delete the parameters selected in the multiline. Mfr. # Part Description CFM-ENGINE
📢 🗧 [No records to display] 🕨 🗰 🕂 🗖	
# 🛛 Parameter 👂 UOM Parameter Type	Parameter Source         Present Value         As of Date         As of Time         Parameter Description
1	<b>*</b>
<	>
	Edit Parameters
Initialize Parameter Values	

#### Exhibit 4: The Edit Consumption and Range Parameters screen in the Edit Component Record activity

*	🗎 E	dit Co	nsumpti	on & Ra	ange Para	ameters						I	Ramco R	ole - RAMCO OU 🔫	4 6	7	8 9	10 🕨 🕨	9 /500	",		₽ <b>+</b>	· ?	[ø]
															Date & 1	Time For	mat <b>dd/m</b>	ımm/yyyy						
- C	ompone	ent Det	ails																					
					Comp	onent# A1	03197																	
					Mfr. Part #	/ Mfr. #											Serial #	ENG2MSN6						
					Part De	scription CFI	M-ENGINE								Since	e Manuf	acturing	07 Mar 201 :: 41	l6 Days					
					A/c On/Of	f Details Att	ached :: ·	415 Days						Atta	ched/Ren	noved A	c Reg#	/Τ-ΤΤQ						
- Pa	aramet	er Deta	nils																					
44	4	L - 3	3/3 🕨	+	- 0 -	004	T Tx						1		20 C	• #	÷ 10	All			Ŧ			Q
#		Param	eter 🔎	иом	Par	ameter Type	Life	Parameter		Paramet	er Source	Initialized Value		Present Value	As of	Date		As of Time	Rang	ge: From	Ra	inge: To		
1		EH		E4	or	sumption	No		~	Parent	~		0.00											
2		FC								ent	~		0.00	0.00	08/Ma	r/2016		14:23:33						
3		FH	Click	the	Delete	e icon	to	delete	the	ent	~		0.00	0.00	08/Ma	r/2016		14:23:33						
4			narar	neter	rs seler	ted in	the r	nultilin	۵	ent	*													
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												Edit Paramete	rs											

# Ability to update Parameter value for aircraft with Update Option as "New"

AHBG-11983

#### Background

Presently, though, update of parameter values for components in Update Mode as New is supported by the system, the same facility is not available for aircraft. In real time, there are business scenarios where the users do not keep track of the utilization of the aircraft in 'Delta' Update Mode or based on daily utilization basis. Instead they track the actual current value of the parameter against each aircraft. Since the system does not allow users to update the parameter values of aircraft in 'New' Update Mode, they have to manually calculate the delta/ increase in the parameter value & update the same in the system

It would enhance usability, if the update of parameter values for aircraft is allowed under Update Mode as 'New' instead of Update Mode 'Delta' alone.

#### **Change Details**

As a result of the enhancement, users can now update parameter value in the Since New field for aircraft under Update Mode 'New' depending on the value of a new process parameter. The process parameter 'Allow New mode update for Aircraft parameter?' under the entity type 'Tech Records Process Ctrl' for the entity 'Manage Technical Records' in the Define Process Entities activity of Common Master allows or disallows the user to update parameter value under Update Mode 'New'.

Process	Parameter	Impact
value		
1/Yes		The user can update the Since New field under Update Mode 'New'
0/No		The user cannot update the Since New field under Update Mode 'New'.

### Exhibit 1: The Re-Initialize / Update Parameter Values screen

	Re-I	nitialize / Upda	ate Parameter V	alues							Ramco	Role - RAMCO OU 👻	겨 좀 다	÷ 🔶	? 🗔
	earch	Criteria								Date & Time	e Format yyy	y-mm-dd			
			Maint	Object Type Aircraf	t Reg # 🛛 🔻	102	c	2		Ref. I Parame	Doc. #	▼ nsumption ▼			
	efault	Details					Sear	ch							
	earch	Results	Update D	ate & Time 2017-04-	-27 🛗 16:49	:54 🛗					Remarks				
44	4	1 - 2 / 2 🕨	+ = □	* 0 0 T 1	τ.			<b>—</b>		i 🛛 🖸 👎	10 III	All	T		Q
#		Message Center	Aircraft Reg. # 🔎	Component # 🔎	Part # 🔎	Serial # 🔎	Parameter	Since New	Since Overhaul	Since Repair	Since Insp.	Since Last Shop Visit	Update Date	Update	Time
1			102				FC								
2			102				FH								
3															
Lieb			annadar		uab	on Technical and 6	Neil-da sussadare								>
Help	pdate	sumption and Range • Details	parameters Upd	ate Option New	Help	on Technical and A	Attribute parameters								
			Validate						Update Parame	eter Values					
Upda View	te Com Aircraf	ponent Condition t Parameter History			View	Component Param Aircraft Maint. Pro	neter History ogram			View Compo	inent Maint. Pi	rogram			

# WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION?

### Ability to retain Material Requests across Discrepancy Deferrals

Reference: AHBG-15422

#### Background

Typically in the Aviation maintenance scenario, a mechanic upon identifying a discrepancy in an aircraft records the discrepancy details in the system and then requests for material for resolving the discrepancy. Next, the material planner upon inquiry finds that the required material is not available in stock or in the designated warehouses or even a stock transfer from a nearby warehouse to the material request warehouse is not possible. The material planner then decides to procure the material from a vendor and raises a purchase request - purchase order for the material.

Meanwhile, the mechanic identifies that the reported discrepancy could be deferred on the basis of the MEL / CDL list. The mechanic now modifies the deferral limits so as to defer the discrepancy and releases the aircraft for operations. This results in the closure of the execution document to which the discrepancy was allocated. On closure of the execution document, the system automatically short closes the material request raised against the document. Since the material request is short closed, the goods received against purchase order raised for the material request could be allocated to other Open material requests. Later, when the same discrepancy is planned for execution in another package, the mechanic is forced to defer the discrepancy / ground the aircraft since the material is not available. This kind of scenario results in repeated material requests creation and delayed maintenance.

#### **Change Details**

As part of the enhancement, the system will now retain the same MR # (or at least have the Old MR # reference in a New MR, if the Old MR cannot be retained) across multiple discrepancy deferrals. This will ensure that any planning done against the MR # is retained. However, this enhancement will be dependent on the new process parameter "Auto-Short Close Open Material Requests of Deferred Discrepancies on Package Closure?" added under the Entity Type 'Package Type' and entity '--All Packages--' in the Define Process Entities page possessing the following behavior.

Process Parameter value	Impact in AME
0 (Not Required)	Authorized material requests are not short closed during package closure
	(New Behavior)
1 (Required)	Authorized material requests are auto-short closed during package closure
	(Existing Behavior)

Two different behaviors could occur when the process parameter is set as "0" and a deferred discrepancy with Open material requests are added to the New package from a closed package.

**One**, the work center of the new package has the same Serviceable Request Warehouse as the work center of the Old package for the part type of the requested part. When the Serviceable Request Warehouse of the work center of the New package is the same one as the Old package, the following process happens:



Regardless of the planning done on the material request, the system will move over the material request to the new package.

**Two,** the Serviceable Request Warehouse of the work center of the New package is different from that of the Old package, the following process occurs:



If planning is available against the Old material request against the discrepancy added to a New package (whose Serviceable Request Warehouse is different from that of the Old package), the system keeps the Old material request pending and at the same creates a New material request for the same part and quantity and stamps the Old MR # in the **Remarks** field of the New material request (for the reference of the material planner to indicate that the New mterial request doesn't need planning as planning has already been done for the Old material request in the Olg package). When the New material request is issued and closed, the system will automatically shortclose the Old material request.

Note: No issue document can be confirmed against an material request that is open, if the Old package to which it refers to is already closed. On the contrary, If no planning is found against the Old material request associated with the discrepancy that has been added to a New package (whose Servicable Request Warehouse is different), the system will auto-shortclose the Old material request and create a New Material request for the same part and quantity. It will not stamp the Old MR # in the Remarks field of the New MR # (as this reference is not needed as no planning is done against the old material request).

# Smart Search on Employee (Reported by field) in Discrepancies tab based on Emp. Certificate #

Reference: AHBG-14030

#### Background

When reporting a discrepancy during package execution in the **Aircraft Maintenance Execution** screen, it is mandatory for the user to provide # / ID / code of the employee reporting the discrepancy. Typically, a mechanic is allotted **Emp. Certificate #** for working on a package. During package execution, the mechanic records the discrepancy details including **Emp. Certificate #** in the log card. However, later on when the same reported discrepancy is entered in the system, the user may not be able to recall the employee # though Employee Certificate # of the mechanic who has reported the discrepancy is known.

#### **Change Details**

As part of this enhancement, a smart search has been provided to search and retrieve Employee # based on Employee Certificate # in the **Reported by** field. As the user enters the reported discrepancy in the system, the smart search provides Employee #, Employee Name, Last Name and Certificate # of the mechanic who has reported the discrepancy based on Certificate # in the **Reported by** field in the **Discrepancies** tab of the **Record Aircraft Maintenance Execution** Details screen. Now, the user can merely select the employee code of the mechanic from the retrieved results to record the discrepancy.

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#### Exhibit 1: The Record AME Details screen

☆ > Aircraft Maintenance > Aircraft Maintenance	Execution > Record Aircraft Maintenance Execution D	letails											
\star 🔋 Record Aircraft Maintenance Execu	tion Details		RamcoRole - RAMCO OU 👻 🚅 🖶 🖨 🗲 ? 🗔										
Exe. Details Aircraft Reg # <b>P</b> 101 Go	Station Montreal VOR Center YUL-11	5-05 🔻 Date & Time 8/21/2017 🛗 15:20:06	iii 🕑 Flt. Hrs 706.00 Flt. Cycles518.00										
Component Replacement (0) 🙀 Discrepancies (3) X Work Information (1) 🐻 Component Replacement (0) Y Material Request (2)													
Search Options: 💟 Log Cards 👽 Minor 👽	Major Search bySearch by 💌 Sea	G0 G0											
Create Engg. Service Request	Reporting Date & Time 8/21/2017	Deferral Item# Deferral Type	Reason for Deferral Auth. Ref. #										
	Reported by P acf Employee First Last Certificate 00888888 begam12 j ACFT-DOOR-SLIDE 00042291 ANTOINE ASSAAD ACFT-GROOMING 00000007 Adam Gordon ACFT-DOOR-SLIDE	Author Repair Procedure View Discrepancy Dates & References Upload Documents Generate Maintenance Logbook Label Comments	Revise Deferral Limits Create Engo. Service Request View Documents Hold Release Record Work Hold										
	Total Rows: 3 1 - 3 💽 🕨												

# Ability to Update COM Date as Compliance Date

Reference: AHBG-14231

#### Background

On completion of maintenance on an aircraft, Flight Test CoM and Regular CoM are issued before the aircraft actually leaves the hanger. Currently, completion date of individual tasks is considered as their compliance date and computation of NSD for tasks happens based on the compliance date. In many cases, the aircraft could still be stationed in the hangar awaiting the certificate of maintenance leading to time lag between the compliance date for task and the issue date of the CoM for the aircraft. In such cases, the NSD and NSV computed based on task compliance date could display misleading figures as the clock starts ticking even before the aircraft leaves the hangar or starts operations.

#### **Change Details**

The process parameter 'Auto-update Compliance Date of Completed/Closed Tasks in Package based on CoM Issued Date?' under the entity type 'Package Type' and entity 'All User Defined Entities' along with 'Log Card' in the Define Process Parameters screen of Common Master will now determine whether Compliance Date is updated as the CoM Issue Date for a task in a package on authorization of CoM in the **Issue Certificates p**age.

Auto-update Compliance Date	Impact on Compliance Date of task
of Completed/Closed Tasks in	
Package based on CoM Issued	
Date: Value	
0 / Not Required	On the click of the Authorize CoM pushbutton for CoM Type 'Regular' or
	'Test Flight', the compliance date will be the date of completion of the task.
	The compliance date of all the tasks in the package is set to the issued date
	of the CoM and the new NSD is computed on the basis of the issued date
	of CoM. The parameter value as on the issued date will be taken into
	consideration for computation of NSV.
1 / Required	On the click of the Authorize CoM pushbutton for CoM Type 'Regular' or
	'Test Flight', the system updates the Compliance Date of all Completed &
	Closed tasks with the CoM Issued Date & Time

*Note:* The system sets the compliance date to the CoM issue date under the following conditions only:

- Applicable to Tasks only (not discrepancies)
- CoM Type must be 'Test Flight' and 'Regular'
- Status of Tasks must be 'Completed' or 'Closed'

#### Exhibit 1: The Issue Certificate of Maintenance tab of Issues Certificates page

Issue Certificates							RamcoRole - RAM	co ou 👻 🎞		⇒ •	⊢ ?
Dart Id Tag	Maintenance Certificato o	Conformity Contificate of	Calibration								
Parcia ray Cerdinate of		contonnicy certificate of	Calibration								
Create Certificate U Reprint	Certificate 🔍 Replace Certificat										
	Reference Type	Work Order # 👻	Reference # AWG	D-000001	-2011 🔾	Get Details					
+ Issue Details											
+ Main Core Details											
+ Reference Details											
Certificate Details											
Certifying Rema	rks			^							
				$\sim$							
Eligibi	ity										
.5/25 5						.5/17				-	
	77 T T <sub>x</sub>	AUDAD	<u> </u>	44	4 1	- J / 17 P PP + T T <sub>X</sub>	A		× =	2.5	* *
III AII	Q V				All	<b>T</b>	Q				
# Certificate Type	Reqd?			#	Certifyi	ng Authority Req	17				
1 8130-3				1	ASA						
2 AIR CARRIER 8130-3				2	Aveos		_				
4 CAA-FAA-FASA		E.		4	CAAC	The compliance					
5 CAAC AAC-038				5	Civil A	The compliance					
						date of the task is					
						set to the issued					
<ul> <li>Document Attachment Detail</li> </ul>	ils					date of the CoM					
	File Name 👂	Upload Documents	View Associated Doc. Att	achments		dute of the colvi.					
- Authorization Details						7					
Employee Code D	00041383	Employee	ame S DOMINIC			Primary Workcenter # 01-03					
License #	00041	Authorizati	on #			Authorization Ref #					
Skill Code	01 💌	Issued	Date 09/10/2017 11:44	1:49 📷							
Sat	/e	Preview	Approved 8	Print				Cancel			
Creater	d by		Modified by				Approved hv				
Created D	Date		Modified Date				Approved Date				

# WHAT'S NEW IN THE AIRCRAFT EXECUTION HUB?

# Ability to Default the last worked Exe. Doc. # in Work Reporting Hub and Parts Hub

Reference: AHBG-11852

#### Background

Aircraft Mechanics work on a package for a considerable time before it is finally completed. During this duration, they may have to navigate to other screens in the application or may perhaps visit/revisit the AME Hub screens many times in a day or for in several days. Repeated search/entry of the execution document can be avoided, if the execution document that the user was last working on the previous visit to the screen is defaulted in the pertinent field.

#### **Change Details**

On launch of the **Work Reporting Hub** screen, the **Aircraft Maint. Exe. #** field will display the AME Ref. # that the login user had last worked on, during the last visit to the AME Hub screens (Work Reporting Hub/ Parts Hub).

Similarly, on launch of **Parts Hub**, the **Exe. Doc. #** field under **Search** section will now display the execution document # that the login user had last worked on, during his/her visit to either of the AME Hub screens.

However, a new process parameter "Default last worked Exe. Doc. for the login user in Work Reporting Hub?" added under the entity type 'Package Type' and entity '--All Packages—" in the Define Process Entities activity of Common Master, governs the default display of the execution document # in both these screens. The next table illustrates the new provision.

	inipact in work reporting hub / Parts hub
lue	
	The AME Ref. # field remains blank on launch of the screen.
	The AME Ref. # that the login user had last worked on during his previous visit to the
	screen is displayed in the Aircraft Maint. Exe. #/Exe.Doc. # field, if the current status of the
	document is "In-Progress".
	The AME Ref. # that the login user had last worked on during his previous visit to the
	screen is displayed in the Aircraft Maint. Exe. #/Exe.Doc. # field, if the current status of
	the document is either "In-Progress" or "Completed".
	The AME Ref. # field remains blank on launch of the screen. The AME Ref. # that the login user had last worked on during his previous visit to t screen is displayed in the Aircraft Maint. Exe. #/Exe.Doc. # field, if the current status of t document is "In-Progress". The AME Ref. # that the login user had last worked on during his previous visit to t screen is displayed in the Aircraft Maint. Exe. #/Exe.Doc. # field, if the current status of the document is either "In-Progress" or "Completed".

#### Exhibit 1: The Set Process Parameters screen (under the Define Process Entities activity in Common Master

component)

*	Set Process Parameters				그	? 🗔
- En	tity Details					
	Entity Type Package Type	<b>•</b>	Entity	All Packages	•	
	Record Status Active	Pro	ess Parameters Defined?	Yes		
- Pn	ocess Parameter List					
•	4 1 - 20 / 20 → → + Ø ♣ ▼ ▼.		비 꼬 부 물	AI DI	▼ de	Q
#	Process Parameter	Permitted Values	Value	Status	Error Message	
1	Default Context Date?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
2	Default Home Base?	Enter "0" for'Not Required', "1" for 'Aircraft Base', "2" for 'Employee Base'	0	Defined		
3	Planning Horizon (Days).	Enter a Positive Integer	10000	Defined		
4	Re-Sequence Multiplication Factor	Enter a integer between 1 to 99999	100	Defined		
5	Default Assignment by	Enter "0" for 'Tasks' , "1" for 'Skill' , "2" for 'Work Area' , "3" for 'Zone' , "4" for 'ATA	#' 1	Defined		
6	Allow Issue of Serviceable parts having Over-Due / Retirement Tasks?	Enter "0" for "Not Allowed" , "1" for "Allowed"	0	Defined		
7	Default Filter Criteria in the Task Details tab of Edit Package Additional Information	Enter "0" for 'Workscoping Items' , "1" for 'Additional Items' , "2" for 'Detailed Items	1	Defined		
8	Task status change on Material Issue confirmation?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
9	Allow generation of part tag before confirmation of component replacement?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined		
10	Default Actual Hours as Task Est. Elapsed Time during Resource Actuals update?	Enter "0" for 'No' , "1" for 'Yes'	0	Defined		
11	Include alternate parts and stock statuses for display of Available Qty?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
12	Allow status change of discrepancies which are already assigned to a package?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
13	Allow status change of discrepancies from more than one package?	Enter "0" for 'No', "1" for 'Yes'	0	Defined		
14	Allow modification of authorized time sheets	Enter "0" for 'No' , "1" for 'Yes'	0	Defined		
15	Validate Warehouse - User Mapping during creation of MR from Plan Material screen?	Enter "0" for "Not Required", "1" for "Required"	0	Defined		
16	Restrict display of Package and Unprocessed Discrepancies in AME Tree based on	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
17	Default Mode on Page Launch for Work Reporting Hub?	Enter "0" for "Create", "1" for "Work"	1	Defined		
18	Default last worked Exe. Doc. for the login user in Work Reporting Hub?	Enter "0" for 'No', "1" for 'only In-Progress Exe. Docs', "2" for 'Both In-Progress and	12	Defined		
19	Allow reuse of Log Ref # across Aircrafts?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
20	Number of remaining days to be considered to mark an item as an Alert Due Item?	Enter a number from "0" to "99"	3	Defined		
21						
	<					>
	•					
		Set Process Parameters				

Exhibit 2: The Work Reporting Hub screen

★ 📄 Work Reporting Hub									⊒/‡		? 🗔
I want to Create  Work on Aircraft Main	t. Exe. # 🔻 VP-00	0839-2017 p	Go	Reporting Date Time	(iii)	Ċ	FH	HRS	FC	c	YC
VP-000839-2017 Package Type Visit Package	Aircraft Reg # 6YJME	Customer Name Customer 7	Work Center # 185-20	Close 🔻	🌗 Due Items 🔗 Quick Links	<u></u> . €	laint. Events			Print P	
Toggle Views	Task Discrepa	псу									
	1 ALL	0 My Clock Running	0 All Clock Running	0 Work on Hold	0 Estimation Required			View: O Sin	nple 🔘	Detail	
Tasks     Completed										_	
NST-003090-2017::Test2	44 4	[No records to display]		Description	Everytian Commonto	All	Status	▼ Source Task/D	Viccrop #	0	
	1	,5 175 Jey Task # 🎤	AIA # #	Description	Execution comments		status 🗸	Source Taskyb	ASCIED: #	P	
				(							
	T Start Clock Stop	Clock Reset		Save Complet	e 🔽	Report Discrep.	Task Action	II Hold	Release		
< >	Reque	st Part	Change Part		Sign Off Subtasks	Quick Links				•	

#### Exhibit 3: The Parts Hub screen

Parts Hub				34 Ę	i <b>← ?</b> []
Exe. Doc. # P VP-000839-2017 × Search For	Task # / Type / Description / ATA #	Search			
Task / Discrep. # Type Status Description		Rep. Time			
Part Requirements / Request Part Attach / Remove					
i≡ ! Q					
0     ALL     0     As Required     0     Pending     0     Requested	0 Others			View: 🖲 Simple 🔘 D	etail
(i) I (No records to display] I II III IIII IIIIIIIIIIIIIIIIIIIIII			All	۸ <del>ب</del>	þ
# Error MS AVL Source Task/Discrep. # P Seq # Tracking # Part # P	Required Qty Qty. Available UOM	Priority SI	tock Status Warehouse #	Part Description Need Date	e
		~	• •		
	<			>	
Save Part Requirement	Request Part	Check Part Avl	▼ Quick Links		<b>•</b>

# Addition of 'My Clock Running' feature under 'Exceptions' filter

Reference: AHBG-13443

#### Background

When a user wants to view his tasks/discrepancies having running clocks, he clicks on the 'Clock Running' feature under the 'Exceptions' filter and manually scans through the records in order to find his tasks/discrepancies.

This enhancement enables the user to view only his tasks/discrepancies having running clocks, while retaining the existing capability. Additionally, a process parameter has been provided in order to view the tasks/discrepancies with running clocks on entering the package in the **Work Reporting Hub** screen.

#### **Change Details**

A new feature 'My Clock Running' has been added under 'Exceptions' filter and the existing 'Clock Running' feature is renamed to 'All Clock Running'. The existing 'Material not available' feature is hidden now.

- On click of 'My Clock Running', all tasks/discrepancies for which clocks are running for the login user are alone displayed in the multiline.
- On click of 'All Clock Running', all tasks/discrepancies for which clocks are running for all the login users working on the package are displayed in the multiline.

A new process parameter 'Show only Clocked-on items by default on launch of Work Reporting Hub?' is added, in the Define Process Entities page under the entity type 'Package Type' and entity for all User defined packages other than 'All Packages'. This option can be set as '0', '1', or '2' and helps the user in viewing his tasks/discrepancies having running clocks straightaway, on entering the package after screen launch.

- If the set option is '0', on entering the package in the **Work Reporting Hub** after screen launch, the system defaults the 'All' tile under 'Status' filter and load its contents in the multiline
- If the set option is '1', on entering the package in the **Work Reporting Hub** after screen launch, the system defaults the 'My Clock Running' tile under 'Exceptions' filter and load its contents in the multiline



#### 24 | Enhancement Notification

#### Exhibit 1:

🏠 Aircraft/Shop Work Hanagement 🕨	Work Reporting Hub 💙 Work Reporting Hub				
★ 🔋 Work Reporting Hub				5	≠ ₽ ← ? Б ₪
J want to 🔘 Create 💌 Work on Aircraft Ma	ant, Exe, # • VP-000833-2017 P G0	Reporting Date Time	E C PH	477,83 MRS 1	ic cic
VP-000833-2017 Package Type In-Progress Visit Package	Aircraft Reg # Work Center # 1132 185-20		implete - Ø Deck Lin		Print
Document Info	Task Discrepancy New tile 'My Clock	'Clock Running' renamed			
		Co All Clock Running	*		
+- VP-00833-2017	3 ALL 0 My Clock 0 All	Clock 0 Work on Hold 0 5	Istimation Required	View : Sing	ple 🔘 Detail
		1			
	44 4 1 -3/3 > >> ==		ILA	(w)	Q
	# Error CS WS Seq Task # P ATA #	P Description Execution Comme	nts Status	Source Task/Disc	rep. # .P
	1 0			*	
	Note: 'Material not avail	able			
	tile is hidden				
		4			

#### Exhibit 2:

Aircraft/Shop Work Management >	Work Reporting Hub > Work Reporting Hub	· · · · · · · · · · · · · · · · · · ·						
* 📗 Work Reporting Hub			-		20	: 12 +	- ? 15	K
I want to 🔘 Create 🔘 Work on Aircraft M	laint. Exe. # VP-000833-2017 P G0	Reporting Date Time	0 11	FH -	177.83 HRS FC		CYC	
VP-000833-2017 Package Type In-Progress Visit Package	Aircraft Reg # Work Center 1132 185-20	14	Complete -	<ul> <li>Den Arme</li> <li>Queck Links</li> </ul>	🕀 takini lama	1	<b>Print</b>	
Document Info     Toggle Views     Y	Task Discrepancy Step:	2 On click of 'Go', by under 'Exceptions' its records are load	default, 'My Clock Runn filter in Task tab is selec led in the multiline.	ing' tile ted and				1
<ul> <li>VP-000833-2017</li> </ul>	3 ALL 0 My Clock Running	0 All Clock 0 Work on Ho	ld. 0 Estimation Required		View : 🖲 Simpl	le 🔘 Detai	d'	l
	++ + 1 -3/3 + I+ ₩ ₩		All		<b>v</b>	Q		
	# ₿mar CS WS Seq Task # ₽	ATA # P Description	Execution Comments	Status	Source Task/Discre	ep, # .P		
Step	Note: Process Parameter: Clocked-on items by defau of Work Reporting Hub?" Show only My Clock)	"Show only ult on launch is set as 1 (ie.				,		

#### 25 | Enhancement Notification

#### Exhibit 3:

III Work Repo	rting Hub Work on Aircraft M	laint. Exe. # VP-000910-2017	P Go	Reporting Date Time		FH 4	24 ⊈ 17.83 HRS FC	+ ? [
000910-2017 rogress	Package Type Visit Package	Aircraft Reg # 1132	Work Center # 185-20		Complete 💌	<ul> <li>Decision</li> <li>Quest Losis</li> </ul>	🗄 isan tenil.	Print
ocument Info	Toggle Views 🍸	Task Discrepancy	Step: 2	On click of 'Go', 'Status' filter in records are load	by default, 'All' tile under Task tab is selected and it led in the multiline	s		
VP-000910-2017		1 ALL 0 Plan	ned 1 1n-Progress	0 Completed	0 Other		View 1 Simple	e 🔘 Detail
		44 4 1 -1/1 → → =			All		v	o
		# Error CS WS Seq	Task # P ATA # P	Description	Execution Comments	Status	Source Task/Discrep. # P	4
			NST-003151-2017 00-00	Teset8		In-Progress V		
	Step: 1	Note: Process Pa Clocked-on item of Work Reportin	rameter: ""Show only s by default on launch ng Hub?" " is set as 0	K				

# Sign Off details Default in Task and Discrepancy popup windows

Reference: AHBG-11503

#### Background

When a user wants to sign off a task/discrepancy, the user is required to manually enter the employee code and then sign off, which involves data entry effort. It would be convenient and quicker for users, if the Mechanic or the Inspector or both these fields are populated automatically on selection of task, discrepancy or corrective action by users.

#### **Change Details**

A new process parameter 'Default Sign Off Details in the Task/Discrepancy Action popup in the Work Reporting Hub?' is added, in the Define Process Entities page under the entity type 'Package Type' for entity 'All User defined' packages to conditionally default the employee code of the login user in the Mechanic or the Inspector or both these fields as illustrated below.

Process	Impact in the Task Actions popup
Parameter value	
1/Yes	The system defaults the employee code of the login User in either the Mechanic or
	the Inspector controls (or both) on launch of the popup in the following way:
	<ul> <li>The Sign Off requirement of the discrepancy is Pending Mechanic/Inspector/Both.</li> </ul>
	<b>Example</b> : The Sign Off Requirement of a Task is 'Pending Mechanic'. The Login User opens the Task Action pop up. The employee code of the user will be defaulted in Mechanic control in the pop up.
	• The Resource Group of the login user is applicable for task sign off
	Example: The Sign Off Requirement of a Task is Pending Inspector. The Login User belongs to Mechanic Resource group. The user opens the Task Action pop up. The
	employee code will not be defaulted in Inspector control in the pop up.
	• The login user has necessary skill for task sign off
	Example: The Sign Off Requirement of a Task is 'Pending Mech&Insp'. The Resource
	Group of the Login User is both Mechanic and Inspector with Skill Code '01' for
	Mechanic and $02^{\circ}$ for inspector. The Skill required to sign off the Task as Mechanic
	code will be defaulted only in Mechanic control in the pop up.
0/No	The Mechanic or the Inspector controls (or both) do not display default value, if the
	task has not been signed off.



#### Exhibit 1: Work Reporting Hub

	圖 👎 ★ 👚 🐻 Default Wind → Themes → <del>Search</del>	Quick Code
News :		
Aircraft/Shop Work Management > Work Repo	rting Hub 🗲 Work Reporting Hub	
Work Reporting Hub		겨 룸 루 수 ? 🗔
+ Document Info		
Toggle Views	Ξ <u>Ι</u> Q	
	1 ALL 0 My Clock 0 All Clock 0 Work on Hold 0 Estimat	View: Simple Detail
		ed
	# Fror CS WS Seg Task # P ATA # P Sign Off Requirement	Mechanic P Inspector P RII Sign O
	1 🔽 🛇 • 1 TASK-05-2017 00-00 Mechanic	×
	2	<b>v</b>
	<	>
	O         O         O           Start Clock         Stop Clock         Reset         Save         Complete         ↓	Report Discrep. Task Action Hold Release
	Request Part Change Part Sign Off Subtasks	Quick Links
X		

#### Exhibit 2: The Task Actions popup

	Status Planned	•						,
Actual Date & 1	Time							
Execution Com	ments							
	Nev	w Comments			$\sim$	Add		
4 4	[No records to di	isplay] 🕨	Þ					
# 🖾 Exe. C	Comment					Added By	Added Date & Time	
				Found no row	s to display!!!			
								-
Sign Off Details	nt							
	] Mechanic	00041383	P					
	] Inspector		P					
(Internet in the second	] RII	-	P					
	Additional	-	Q					
				Ok				1
							>	
(								

Process Parameter	Impact in the Discrepancy Actions popup on launch (or when the user clicks the					
value	corrective action from left pane in the Discrepancy Action pop up)					
1/Yes	The system defaults the employee code of the login User in either the Mechanic					
	or the Inspector controls (or both) on launch of the popup under the below					
	conditions:					
	<ul> <li>Sign Off requirement of the discrepancy is Pending Mechanic/Inspector/Both.</li> <li>Resource Group of the login user is applicable for signing off the discrepancy.</li> </ul>					

#### Exhibit 3: Work Reporting Hub

	=			🗉 斗	*	Ŧ	DW	Defau	ılt Wind		hemes 👻 <mark>Search</mark>		Quick Code
►	News :												
1	🏠 > Aircraft/Shop Work	Management 🔰 Work Report	ting Hu	ub > w	ork Rep	orting	g Hub			~			
	★ 📄 🛛 Work Reporti	ng Hub											≭ ⊉ ← ? ⊡
	+ Document Info												
	0	Toggle Views			· · ·								
			:=	: Q									
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			44	<b>₹</b> 1	- 4 )	6		;				All	Q
			#	E 8	rror CS	WS	Туре		Log Item	ATA # 🔎	Description	Sign Off Status	Sign Off Requirement
			1		0	•	MIREP	*	VP- 000854- 2017/1	00-00	testing-4	Pending Mech&Insp	Mechanic & Inspector
			2		0	•	MIREP	*	VP- 000854- 2017/2	00-00	testing-6	Not Required	Not Required
			3		C	•	MIREP	*	VP- 000854- 2017/3	00-00	testing-7	Pending Mechanic	Mechanic
			4		C	•	MIREP	*	VP- 000854- 2017/4	00-00	testing	Signed-Off	Inspector
												<	>
			( Stari	1) t Clock	Stop C	) Clock	CC Reset				Save Close 🔻	Report Discrep. A	ction Hold Release
				F	Request	Part				Change Part	Sign Off Su	ubtasks Quick Links	▼
	<	>											

#### Exhibit 4: The Discrepancy Actions popup

Discrepancy Actions				) 🕽 🖾 🗙
Discrepancy # VP-000854-2017/3 Corrective Action Status Change	Description testing-7			
Corrective Actions	+ T, # #	Corrective Action     Corrective Action testingg     Sign Off Details		
# Sign Off Status	Corrective Action	Requirement	Employee	
1 •	testingg	Mechanic	00041383 p	
	< >	Inspector	ې م	
		🔲 RII	Q	
		Additional	۹.	
Actual Date Time     Component Details	ancy 🔲 Sign Off 📄	Save		

Exhibit 5: On click of corrective action from left pane of Discrepancy Actions pop up:

Discrepancy Actions	ā ⊄ ? ⊡	X
Discrepancy # VP-000854-2017/3 Description testing-7 Corrective Action Status Change		
Corrective Actions +	Corrective Action Corrective Action Esting Sign Off Details	
#     Sign Off Status     Corrective Action       1     •     testingg	RII Additional	
Actual Date Time     Component Details  Close Discrepancy Sign Off	Save	

# Ability to Auto-Stop the Clock during Completion/Closure of Task/Discrepancy

Reference: AHBG-11801

#### Background

When a user tries to complete a task for which the clock is running, the system validates and asks the user to first stop the clock before completing the task. This is a valid check as it will prevent the current user from completing the task, if another user is still working on it. However, this validation happens only if the current user has clocked on the task and trying to complete.

As part of this enhancement, if the user tries to complete a task for which the clock is already running, and the clock is for the login user only, the system will automatically stop the clock and complete the task in onego instead of the validation.

#### **Change Details**

Two new process parameters are added in the **Define Process Entities** page as part of this change. 'Automatically stop login user's running clock during Completion/Closure/Pre-Closure of Task?' and 'Automatically stop login user's running clock during Closure/Deferral/Transfer of Discrepancy?' are available in the **Define Process Entities** page under the entity type 'Package Type' for and the entity All User defined Packages. This option can be set as 'Yes' or 'No'.

If the process parameter "Automatically stop login user's running clock during Completion/Closure/Pre-Closure of Task?" under the entity type 'Package Type' and entity 'Log card' and all other user defined Package Types except '--All Packages---" is Yes in the **Define Process Parameters** activity of **Common Master**, the system automatically stops the clock started by the login user on completion, closure or pre-closure of the task under the following conditions.

- The Clock has been started by the login user and
- No other clock is running by any another user

#### Example 1:

- 1. User starts the Clock for a task
- 2. Tries to complete the task
- 3. Clock will get stopped automatically and the task goes to 'Completed' status

#### Example 2:

- 1. Two Users start Clock on a Task.
- 2. The first user comes back and tries to complete the Task.
- 3. The system prompts the user to end the clock to prior to the Completion / Closure of Task

Similar to the above, if the process parameter "Automatically stop login user's running clock during Closure/Deferral/Transfer of Discrepancy?" under the entity type 'Package Type' and entity 'Log card' and the entity all other user defined Package Types except '--All Packages----" is 'Yes" in the Define Process Parameters activity of Common Master, the system automatically stops the clock started by the login user on closure, deferral or transfer of the discrepancy under the following conditions.

• The Clock has been started by the login user,

and

• No other clock is running by any another user.

## Ability to default tasks or discrepancies to facilitate part requests

Reference: AHBG-14390

#### Background

The Parts Hub screen independently retrieves the existing material requests for all the tasks / discrepancies in the AME Ref. #. Alternatively, users could navigate to the Parts Hub to create part requests for tasks / discrepancies selected in the Work Reporting Hub screen. However, this meant users had to create material requests for each selected task separately. This was time consuming and since creating material request for parts is a repeated nevertheless crucial action, an enhancement to automatically copy the data from tasks / discrepancy for part requests was identified.

#### **Change Details**

The retrieval of part requests for tasks / discrepancies will now be based on the value of the process parameter "Default fetch of selected tasks/discrepancies from Work Reporting Hub in Parts Hub?" under entity type 'Package Type' and entity 'All Packages' in the "Define Process Parameters" activity of Common Master.

Further, this enhancement creates blank requests containing the necessary task / discrepancy information. To this, the user can add specific part details, such as Part # and Ordered Qty to complete the request in the shortest time.

The below table illustrates the part request retrieval mechanism in the multiline based on the process parameter value.

Process parameter value	Multiline impact
0 / Not Required	The multiline displays all existing part requests of tasks
	/ discrepancies selected in the Work Reporting Hub.
1 / Required without Existing Records	The multiline displays only blank requests for tasks /
	discrepancies.
2 / Required with Existing Records	The multiline retrieves all available part requests for
	tasks / discrepancies selected in the Work Reporting
	Hub followed by blank part requests.

#### Exhibit 1: The Work Reporting Hub screen



#### Exhibit 2: The Parts Hub screen

* [	Ŋ	Par	ts H	lub															74		+	? [
+ Se	arc	ı —																				
VP-001 In-Prog	122-: ress	2017		1	ask / I	Discrep. # Type	State	IS	Description				Re	ep. Tin	ne	1						
Par	rt R	equi	rem	ents	/ Re	quest Part Attach / Rem	ove			Avai	lable part	req	uests									
i≡ [2	! 2   '	Q.			(	0 Material Not Available 0 0	eed Date rossed	0	Pending New Part Creation	for T select para	asks / dis ted in th meters	crep e mu	ancie: ultiline	S				View : 🖲	Simple (	Del	ail	
44	4	1	- 5	/ 5	F FI										-	All		•		Q	]	
#	1	E	rror	MS	AИ	Source Task/Discrep. # 🔎	Seq #	Tracking #	Part # 🔎	Required Qty	Qty. Available	UOM	Priority		Stock Status	Warehouse #	Part Desc	ription	Need	Date		
1						NST-004669-2017		1						*	*	*						
2						NST-004670-2017		2						~	*	~						
3						NST-004671-2017		3						~	~	~						
4				٠	No	NST-004669-2017	1.00	1	1475M64G01:074	3.00	0.00	FA	Normal	~	Avens Owned	0123 🗸	SHIFI D		2017-	06-29		
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									Save Part Requ	irement	<b>K</b> quest Part		[	Chec	k Part Avl 💌				•	>	-	

Exhibit 3: The Set Process F	Parameters	screen
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*	Set Process Parameters					20	: ● □ ←	? 🗔
- En	ity Details							
	Entity Type	ackage Type	<b>v</b>		Entity All Packa	iges 🔻		
	Record Status A	tive		Process	Parameters Defined? Yes			
Pro	icess Parameter List							
44 4	1 - 21 / 21 > >> + © & T Tx				ii № # # III Al		T	Q
#	Process Parameter		Permitted Values		Value	Status	Error Message	
1	Default Context Date?		Enter "0" for 'Not Required' , "1" for 'Required'		1	Defined		
2	Default Home Base?		Enter "0" for'Not Required', "1" for 'Aircraft Base', "2'	for 'Employee Base'	0	Defined		
3	Planning Horizon (Days).		Enter a Positive Integer		100	Defined		
4	Re-Sequence Multiplication Factor		Enter a integer between 1 to 99999		100	Defined		
5	Default Assignment by		Enter "0" for 'Tasks' , "1" for 'Skill' , "2" for 'Work Area	' , "3" for 'Zone' , "4" for 'ATA #'	1	Defined		
6	Allow Issue of Serviceable parts having Over-Due / Retiremen	t Tasks?	Enter "0" for "Not Allowed" , "1" for "Allowed"		0	Defined		
7	Default Filter Criteria in the Task Details tab of Edit Package A	dditional Information	Enter "0" for 'Workscoping Items' , "1" for 'Additional	Items' , "2" for 'Detailed Items'	1	Defined		
8	Task status change on Material Issue confirmation?		Enter "0" for 'Not Required', "1" for 'Required'		1	Defined		
9	Allow generation of part tag before confirmation of componer	t replacement?	Enter "0" for 'No' , "1" for 'Yes'		1	Defined		
10	Default Actual Hours as Task Est. Elapsed Time during Resour	ce Actuals update?	Enter "0" for 'No' , "1" for 'Yes'		0	Defined		
11	Include alternate parts and stock statuses for display of Avai	-H- ot a	Color Tot Conduct Tot Condition	1	0	Defined		
12	Allow status change of discrepancies which are already assig	Now proc	oss paramotor to		1	Defined		
13	Allow status change of discrepancies from more than one page	New proc			0	Defined		
14	Allow modification of authorized time sheets	selectively	/ default part requests		1	Defined		
15	Validate Warehouse - User Mapping during creation of MR fro	for tacks	discrepancies selected		1	Defined		
16	Restrict display of Package and Unprocessed Discrepancies in	IUI Lasks /	discrepancies selected		0	Defined		
17	Default Mode on Page Launch for Work Reporting Hub?	in the Wc	rk Reporting Hub		1	Defined		
18	Default last worked Exe. Doc. for the login user in Work Rep			"2" for 'Both In-Progress and	2	Defined		
19	Allow reuse of Log Ref # across Aircrafts?		Enter "0" for 'No', "1" for 'Yes'		1	Defined		
20	Number of remaining days to be considered to mark an iter	an Alert Due Item?	Enter a number from "0" to "99"		3	Defined		
21	Default Tasks/Discrepancies as New Records in the Part Requ	irements/Request tab	Enter "0" for 'Not Required', "1" for 'Required withou	: Existing Records', "2"	2	Defined		
22								
	<							>
			Set Process Parameter	s				

# Ability to perform bulk Component Replacements in Parts Hub

Reference: AHBG-7833

#### Background

In aircraft hangars, typically mechanics/engineers often perform multiple component replacements pertaining to tasks/discrepancy with reference to an execution document on an aircraft and, hence they would require a screen in which they can record these bulk transactions.

#### **Change Details**

Users can perform Remove/Attach/Replace/Swap/Cannibalize actions involving components on an aircraft with reference to an execution document in the **Part Attach / Remove** tab of the Parts Hub screen.

The **Part Attach / Remove** tab of the **Parts Hub** screen in the Aircraft Execution Hub comprises of a multiline with columns similar to fields available in the **Component Replacement** tab in the Record AME Details screen. The users can perform multiple component replacements for an execution document in the **Parts** Hub. Users can opt to work with documents automatically retrieved based on **Status** or **Exception Status** of the component replacement replacements, users also have the option to specify Search Criteria and then retrieve CR transactions that they want to execute / process.

The Parts Hub screen also provides two views of information, namely Simple and Detailed.

The **Simple** view captures vital and mandatory attributes of component replacements whereas the **Detailed** view can be used to record entire component replacement records.

Users can create and confirm multiple component replacements against an execution document at one go. Further, this enhancement also allows users to record and save the details of component replacements in **Parts Hub**, if they are in the knowhow of it much before they would want to create component replacements. These saved component replacements can be created at a later point of time. However, this is just a userconvenience procedure and not a pre-requisite for generating component replacements.

- The Save as Draft pushbutton enables users to save component replacement records.
- The **Change Part** pushbutton can be used to generate and confirm component replacements with a single click thus saving time.
- The **Delete** pushbutton allows users to delete a CR transaction in 'Fresh' or 'Draft status.

#### Exhibit 1: The Parts Hub screen

i 🔲 Parts P	lub													74	≓ ← ?
Search	00022	2017	Court For					Tesh # (Tesa		Coarch					
e. Doc. # 2 VP-0	100855	-2017	Search Fol					Task # / Type	/ Description / ATA #	Search					
P-000833-2017 h-Progress	Ţ	ask / Discrep. # T	Гуре	Status	1	Description				Rep. Time		<b></b>			
Part Requiremen	ts / Re	equest Part Attach / R	lemove												
≡! Q									Remov	e/Attach	n/Replace	/Ca		View : 🖲 Si	mple 🔘 Detail
173 <sup>All</sup>		72 Pending 6	51 Removed	3	4   <sup>Rep</sup>	placed	6	Other	📕 nnibali	ze/Swap	actions o	an			
									be per	formed i	n bulk he	re.			
44 4 1 - 8	/ 173				_		_					All	•		Q
# 🖻 Error	CS	Source Task/Discrep. # 🔎	Tracking #	Action	-	Object Type		Rem. Part # 🔎	Rem. Serial # 🔎	Rem. Qty.	Att. Part # 🔎	Att. Serial # 🔎	Auto Issue?	Att. Qty.	A/C Level # 🔎
1	•	NST-003086-2017	1	Replace	Y	Other Parts	*	0506252:P9784		1.00			No 🗸		
2	•	NST-003086-2017	1	Attach	~	Component	~				109-3501-04-1-	s0703176	Yes 🗸	1.00	1.5.2.1
3	•	NST-003086-2017	1	Remove	~	Component	~	109-3501-04-1-	s0703176	1.00			No 🗸		1.5.2.1
4	•	NST-003086-2017	1	Remove	~	Component	~	09-25-2009-	1132213	1.00			No 🗸		1.2.5
5 🖻	•	NST-003086-2017	1	Attach	~	Component	~				109-3501-04-1-	s0703177	Yes 🗸	1.00	1.5.2.1
	•	DR-000105-2017	2	Swap	~	Component	~	109-3501-04-1-		1.00	109-3501-04-1-	1132307	No 🗸	1.00	1.5.2.1
6	-	NST-003086-2017	1	Remove	~	Component	~	109-3501-04-1-	1133305	1.00			No 🗸		1.3.1.1
6 C	•			Remove	~	Component	~	109-3501-04-1-	1132306	1.00			No 🗸		1.4.1.1
6 C 7 C 8 C	:	NST-003086-2017	1	recinere											
6 0 7 0 8 0	•	NST-003086-2017	1					4							
## Ability to Display App Version # in Hamburger menu

Reference: AHBG-13312

#### Background

The display of App version # in Mobility Apps can help user ensure that they are working with the latest version. This also helps mechanics in the shop floors to be aware of the application version.

#### **Change Details**

The Hamburger menu in MechanicAnywhere App has been enhanced to display App version #.



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S, DOMINIC	i D	E-Log		
OU - Role RAMCO OU-ramcorole Primary Work Center # WC-MECH-3		Journey Log# Station Customer# Date	Include Completed / Closed Doc.	+ Create
To Do List	<b>₀</b> ★	Search		Package
Smart Action	*	# Date S	Station	Status
eLog		2010-01-00	Horn Cal	
Task	*	2016-07-10	Montreal	Open
Discrepancy	*	2016-07-20	CHENNAI	Open
		2016-07-26	CHENNAI	Open
	ж	2016-07-27	AIR INDIA STATION	Open
Material Request	*	2016-07-27	AIR INDIA STATION	Open
		2016-08-04	Montreal	Open
	Version 1.0.20	2016-08-11	Montreal	Open

Note: Users can view the App Version # through Hamburger menu; this will help to ensure that they are in the latest App Version.

## What's new in Component Replacement?

## Ability to Show TSN, CSN and TSO, CSO in Component

### Replacement

AHBG-11992

#### Background

When viewing component replacement records, mechanics may need to know the parameter value for the installed and removed components on removal date & installed date. Currently, users can gather this information only by navigating to the pertinent activity in the Aircraft business component.

#### **Change Details**

Data hyperlinks for have been provided in the View Component Replacement screen of the Component Replacement component to enable users to instantly access the View Parameters screen to view the parameter value for the component on removal date & installed date. Additionally, Aircraft and NHA parameter values can also be viewed as they have been armed with hyperlinks leading to the View Parameters screen.

#### Exhibit 1: The View Component Replacement Details screen

★ 🗎 View Component Replacement Details	:	RamcoRole - RAMCO OU 🗸 🥡 4 1 🕨 🔭 1 /1 🕮 🖶 🖨 🗲 우 🗌
Component Replacement Details		Date & Time Format dd/mm/yyyy hh:mm:ss
Component Replacement #	REPL-010398-2017	Status Replaced
Source Document Type	Others	Source Document #
Station #	AIR INDIA STATION	Record Mode Normal
Aircraft Reg #	GMCK9	Position Code POS1
Component Type	Others	ATA # 138-60
NHA Part #	0CI3026:S3667	NHA Serial # MSN18031981
NHA Component #	A102121	NHA Part Desc LIGHT, LIQUID, 6 GUIDE
Removal / Installation Details Error Log		
Removed Part #	0CI9006:1C238	Removed Serial # 232323
Removed Mfr. Lot #		Removed Lot #
Component #	A103248	Removed MSN 232323
ATA #	138-60	Part Description ADAPTER
Removed Qty.	1.00	UOM EA
Component Condition	UnServiceable	Attachment Status
Removal Date & Time	04/05/2017 12:03:20	Removed By 00041383
Marked for Retirement 7	No	Tag #
Removal Type	Scheduled	Basic Removal Yes
Reason #	MISSING PARTS	
Remarks		
SOS Disposition Details		
SUS Disposition		S/OE Damarko
Initiated Date & Time		Intiated By
SOS Due Date & Time		Reference Details
SOS Updated Date & Time		SOS Updated by
Installation Details		
Source of Installed Comp	Inventory	Attachment Status
Installed Component #	0.102340	Installed MSN 0075EEC000
Installed Obv.	1.00	UOM FA
Acceptance Ref.		Part Desc ADAPTER
Installation Date & Time	04/05/2017 12:09:17	Installed By 00041383
Comments		Effectivity Notes
Reversal Details		
User Defined 1		User Detined 2
User Defined 3		Remarks for Reversal
-		
Amend CR Details	Proposed Action Details	View Component Information of Installed Component
Print Part Tag		
+ Record Statistics		

## What's new in Shop Work Order?

## Ability to track Certificate of Maintenance based on Certificate Type

Reference: AHBG-13353

#### Background

In typical MRO scenarios where Shop Maintenance activities are in compliance with regulations from multiple regulatory bodies, Certificate of Maintenance is issued to each of the regulatory authorities. These CoM generated should have different Form Tracking # (i.e. Certificate #) so that it can be tracked separately for reporting purposes.

#### **Change Details**

The new **'COM Numbering Type'** column added in Create/Edit/View Certificate Type screens in Logistic Common Master business component.

â	> Pr		irement Management 冫 Logist	ics Common Master 🔰 Edit Certificate Type						
*	Ē	)	Edit Certificate Type				Ramo	oRole - RAMCO OU 👻 🚅	₽ ← ?	[0 K
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=			Certificate Type	Description	Status		COM Numbering Type	Created by	Created Date	
14			EASA	EASA FORM 1	Active	~	сом 🗸	SCHELLAMUTHU	2011-11-07	
15			FAA-337	FAA FORM-337	Active	~	*	SCHELLAMUTHU	2011-11-07	
16			GACA	GACA	Active	~	*	DMUSER	2014-12-23	
17			Initial Load	Initial Load	Inactive	~	*	SCHELLAMUTHU	2011-11-07	
18			JAPAN-JCAB-FORM-18	JAPAN-JCAB-FORM-18	Active	~	*	DMUSER	2016-01-06	
			€							۰.
					Edit Certificate Type					
17										
Logist	cs Co	mm	on Master -> Edit Certificate Type					🔎   (	58 Minute(s)	10:25 AM

While generating Certificate of Maintenance by selecting appropriate Certificate Type (say for example EASA), system will generate Certificate # based on COM Numbering Type defined for Certificate Type. Refer below snapshot for illustration:

#### 41 | Enhancement Notification

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Issue Certificates			Ramo	oRole - RAMCO C	00 - J		≓ +	- ?	Ľ«
art Id Tag Certificate of Maintenance Certificate of Conformity Certificate of Calibration									
Select Action									_
Issue Details									
Certificate # COM-000253-2017 Numbering Type	•	Certificate St	tatus Fresh						
Printed? No. # of Conjes		Replaced Ce	ert # COM-000247-20	117					
Paper Dor #		- Acplaced ee							
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Reference Details				<b>T</b>			ام م خ ا		
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test remarks       Certifying Remarks       Eligibility		ba	umbering ased on Cer	Type will tificate Ty	be o ype se	defau lectic	lted on.		
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Reference Details       Certificate Details       Certifying Remarks       Eligibility       (* * 11 - 15 / 20 + )*) * * * * *       All       * EASA       * EASA       * Reqd?	44         4         1         - 5         / 11         >         1           All	Ni ba	umbering ased on Cer	Type will tificate Ty	be o ype se	defau lectic	Ited on.	÷= 010	
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*Note:* If multiple Certificate Types are selected during generation of Certificates, system will consider default Numbering Type defined for Transaction 'Certificate of Maintenance' in Document Numbering Class business component.

In order to track separate numbering for each Certificate Types, below process parameter is added in Common Master Business component:

Set Process Paramete	er (Common Master)
Entity Type	Shop Work Order Type
Entity	All Work Orders
Process Parameter	Issue distinct COM Report against individual Certificate Types.
Permitted Values	Enter "0" for 'No', "1" for 'Yes'.
Default Value	0
System behavior base	ed on process parameter value
1 (Yes)	System will allow generation of Certificate # with only one Certificate Type in Issue Certificate screen.
0 (No)	System will allow generation of Certificate # with multiple Certificate Type in Issue Certificate screen.

#### Additional Changes

Search filters in Help on Issue Certificates screen is enhanced to filter Certificate # (CoM) based on Certificate Type and Certifying Authority. 'Addl. Search On' combo in Search Criteria will load following values for performing required search:

ramco



- Certificate Type
- Certifying Authority

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				D	ate and Time Forma	t yyyy-mm-dd hh:mm:s	is	
- Search Criteria								
Display Option Certifica	ate of Maintenance	Ref Type/ Ref #	•		Iss	ued Date : From /To		(II
Certificate/ Part Tag Status	•	SWO Status	•		Pri	mary Work Center #	•	
Addl. Attributes	<b>V</b>	Addl. Search On		•	1	ssued Emp #/ Name		
- Search Results		Joi	b Type					
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= Part Tag# /Cert #	SWO # Status	Mfr. Part # Mr.	rtificate Type	Comn #	Issued Date	Repair Process	Code	Renair
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## Ability to not enforce CoM for removed cores from Aircraft

Reference: AHBG-12571

#### Background

When core returnable parts are removed from aircraft and moved for Shop maintenance, Certificate of Maintenance generation is not mandatory for removed cores as cores are finally returned back to aircraft and certificate of release to service is issued against aircraft. Whereas if the same core part is routed from warehouse for Shop execution through Route Unserviceable Parts/Components screen, system should continue to mandate CoM generation based on existing set option 'CoM Reqd.?' defined for default Shop Work Order Type of Part # in Maintain Maintenance Info. for Part screen.

#### Change Details

Below process parameter is added in Set Process Parameter screen of Common Master business component:

Set Process Parame	eter (Common Master)
Entity Type	Disposition Code
Entity	User defined values
Process	Default Shop Work Order Type for removed cores from Aircraft?
Parameter	
Permitted Values	Enter a valid Shop Work Order Type defined in Common Master business
	component.
Default value	Blank
System behavior ba	ased on process parameter value
User defined	On removal of Parts from aircraft Package with Disposition Code having value of
Value	process parameter 'Default Shop Work Order Type for removed cores from Aircraft?'
	set with an active Shop Work Order Type defined in Common Master business
	component, the Shop Work Order generated during removal will default SWO Type
	from value defined in above mentioned process parameter.

Blank	On removal of Parts from aircraft Package with Disposition Code having value of
	process parameter 'Default Shop Work Order Type for removed cores from Aircraft?'
	set as Blank, the Shop Work Order generated during removal will default the SWO
	Type from 'Default Exec. Doc for Int.Repair Routing' in Maintain Maintenance Info. for
	Part screen. (Existing Behavior)
Note 1:	
This process param	neter is applicable only for Work Order auto-generated during removal from Aircraft
package. For all oth	ner auto-generated Shop Work Orders, system will default SWO Type from 'Default
Exec. Doc for Int.Re	epair Routing' in Maintain Maintenance Info. for Part screen.
Note 2:	
Above process par	ameter can be defined only if value of below process parameters are set as:
Applicable Docume	ent "1" for 'Aircraft Maint. Exec. Ref #' or "2" for 'Both'
Initial Disposition?	"1" for 'Yes'
Create Order on di	sposition? "1" for 'Execution Order'

## WHAT'S NEW IN COMMON MASTER?

### Ability to associate Tax Region to Station in the Station master

AHBG-12778

#### Background

With the GST regime being implemented in India, the tax regions (state codes) will determine the percentage and nature of tax charged on the traded goods and services. In Ramco Aviation Maintenance function, work centers are associated to stations and maintenance services are carried in these work centers. To facilitate GST charges on maintenance services based on the tax regions as per regulations, every station depending on the geographic location must be associated to a tax region.

#### **Change Details**

A new input field **Tax Region** has been introduced to specify a tax region for stations in the Common Master component to facilitate application of GST in the generation of invoice/bill for maintenance parts and services.

The Tax Region input field will be a drop-down list box in the **Create Station** and **Edit Station** activities of Common Master. The drop-down list box will display the values defined for the Active quick codes under the entity 'Tax Region' in the Create Quick Codes activity of the Quick Codes component of Finance Setup.

In the View Station and Gate Information page, the Tax Region field displays the tax region specified for the station.

Exhibit 1: The Create Station screen in Common Master

*		Create S	tation													쟈 흉	¢	+ '	? 🕻	n K
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	Statio	n Details —	Statio	n Code Type	IATA															
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1		101	102											~	~	RAMCOOU	•			
2														*	*	RAMCOOU	*			
		<																		>
									Create Statio	n										
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Exhibit 2: The Edit Station screen in Common Master

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				Other #							:	Station Nam	ie							
				Status		-						Cit	y							
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									Search											
St	Station Details																			
#		Station Name	Status City	Cour	ntry	Longest Runway	Runway Width	Latitude	Longitude	Time Zone 🔎	Zone Description		Region		Tax Region			Org. U	nit #	
1		CHN	Active 🗸							IST	India			~			~	RAMO	JOU	
2		NSC Bose	Active 🗸							MT	Montain Time (US and Ci	anada)		~	West Bengal		*	RAMO	JOU	
3		Indira Gandhi IA	Active 🗸							IST	India			~	Delhi		*	RAMO	JOU	
4		BR Ambedkar Airport	Active 🗸							IST	India			~	Maharashtra		*	RAMO	JOU	
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Edit M	del E	fectivity				Edit NAVAI	IDS				Maintai	n Gate								

#### Exhibit 3: The View Station and Gate Information screen in Common Master

★ 🗎 View Station & G	ate Infor	rmation															7\$			+	?	[ø
Search Criteria															Dat	e Format	dd/mm/yyy	y				
		IAT	A #										IC	CAO #								
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# Station Name	City	Country	Longest Runway	Runway Width	Latitude	Longitude	Time Zone	Zone Descriptio	оп		C	overlo	oad Ca	apability	Reg	ion	Tax Regi	ion	Gà	te Co	unt	
1 🖹 CHN							IST	India			Y	es										
2 🖹 NSC Bose							MT	Montain Time (L	US and	Canada)	Y	es			TC7	1	West Ber	ngal				
3 📃 Indira Gandhi IA							IST	India			Y	es					Delhi					
4 📃 BR Ambedkar Airport							IST	India			Y	es					Maharas	htra				
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## WHAT'S NEW IN MECHANICANYWHERE APP?

## Ability to record Fuel/ Oil uplift in MechanicAnywhere App

Reference: AHBG-9263

#### Background

Prior to every flight departure, Line Mechanics inspects fuel or oil levels in aircraft and will uplift fuel/oil based on the next flight requirements. Line Mechanics should have a provision to record the Uplift details like Arrival Qty, Uplift Qty., Receipt # etc. against the Line Package. This capability already exists in Ramco desktop application, same needs are brought in Mobility (Mechanic Anywhere App).

#### **Change Details**

With this enhancement in Mechanic Anywhere app, user can perform following activities:

- Generate 'Fuel/Oil Log #' to track Fuel/Oil uplift against the package
- Record Fuel Distribution Details in each Fuel tank
- Record Oil Uplift in Engines, APU's and other positions
- Record Hydraulic oil uplifts

Following changes are done in MechanicAnywhere App and Desktop application respectively:

- 1. A new tab 'Fuel/Oil Uplift' has been added to record Fuel or Oil Uplift record against a Package in E-Log screen of MechanicAnywhere app.
- 2. In the Maintain Flight Log Parameter screen in Desktop, two new columns 'Item Type' and 'Position Code' have been added in Maintain Oil uplift Details multiline. 'Item Type' column is loaded with values 'Fuel', 'Hydraulic' and 'Oil'. User should define Item # against Item Type's to record Fuel/Oil for Fuel, Hydraulic and Oil in MechanicAnywhere app.



#### Exhibit 1: New Fuel/Oil Uplift tab in E-Log screen of MechanicAnywhere app

•०००० Airtel 穼				5:09 PM			
< E-Log				E-Log			
Aircraft Reg# I Model 108 I A310	Log Card # VP-00274	l Ref. # 1-2017	Station AIR	Date & Time 26/04/2017 11:09:11	FH 0.00	FC O	Status Planned
Manage Package	Cabin Defec	t Mair Task	nt. Events &	Maint./Pilot Discrepancy	Fuel / Oil Uplift	Preview and Acceptance	
Fuel/Oil Log #		Uplift Date	& Time 26/04/20	017			
Fuel Distribution	Fuel Usage De	otails		Oil Uplift	Hydralic Uplift		
Tank	Arrival	Jplift	Departure		Arrival	Uplift	Departure
Fuel Tank 1				ENG-1-CFM56			
Fuel Tank 2				ENG-2-CFM56			
Total	0	0	ļ	0			
				8			
				Save			

Exhibit 2: Item Type and Position Code columns added in Maintain Flight Log Parameters screen

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*	🗎 Ma	aintain Flight Log	Parameters												RamcoRol	e - RAMCO OU 👻 🗇	: 8	₽	<del>(</del> ?	lo K
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#### Steps to configure Fuel/Oil uplift in MechanicAnywhere app:

Step 1: Launch Maintain Flight Log Parameter screen

**Step 2:** Select appropriate Aircraft Model # and Configuration Class and define Item #'s for Item Type 'Fuel', 'Oil' and 'Hydraulic'. Please refer below snapshot for example.

<u></u>	Conf	iguration M	lanagement 👌 Aircraft 👌 Maintain Flight Log Para	imeters							
*		Maintain F	light Log Parameters					RamcoRole -	RAMCO OU 👻 定 🖶 🛱	⊢?[	0 5
	ircraf	ft Details —					Date Form	at <b>dd/mm/yyyy</b>			
			Aircraft Model # A310	▼ Get Details			Configuration Cla	ss 1112	•		
Pa	ramet	er Details	Maintain Oil Uplift Details								
44	4	1 - 5 / 5	• • + 0 0 T T,					All	▼	Q	
#	E	Item #	Item Description	Item Type		Position Code 🔎	Part # 🔎	Q MOU	Part Description		
1	E	ENG-1-CFM	156 ENG-1-CFM56	Oil	*	ENG-1	ALT-1	EA	Alternate 1		
2	E	ENG-2-CFM	156 ENG-2-CFM56	Oil	٠	ENG-2	ALT-1	EA	Alternate 1		
3	E	FuelTank1	Fuel Tank 1	Fuel	۷			EA			
4	E	FuelTank2	Fuel Tank 2	Fuel	۷			EA			
5	E	HydTank1	Hyd Tank	Hydraulic	۲			EA			
		•			_					Þ	
				Maintain Flight Log I	'nfo.	l					

Note:

- The Position Code and Part # should be defined against Item Type 'Oil' for uplifting oil in Engine and APU positions of aircraft via. MechanicAnywhere App.
- The UoM defined against Item # in Maintain Flight Log parameter will be considered during recording done through MechanicAnywhere App.

**Step 3:** Now traverse to Fuel/Oil Uplift tab in E-Log screen of MechanicAnywhere App for the aircraft and generate a Fuel/Oil Log # by recording uplift details. Please refer below snapshot for example.

●०००० Airtel 훅				5:52 PM			@ 15% 🔲
< E-Log			I	E-Log			
Aircraft Reg# I Model 108 I A310	Log Card VP-002	# I Ref. # 742-2017	Station AIR	Date & Time 26/04/2017 11:16:28	FH 0.00	FC O	Status Planned
Manage Package	e Cabin Defe	ect Main Task	t. Events &	Maint./Pilot Discrepancy	Fuel / Oil Uplift	Preview and Acceptance	
Fuel/Oil Log #	FLOG000143	Uplift Date 8	& Time 26/04/20	17			
Fuel Distributio	on Fuel Usage I	Details		Oil Uplift	Hydralic Uplift		
Tank	Arrival	Uplift	Departure		Arrival	Uplift	Departure
Fuel Tank 1	100	200	300	ENG-1-CFM56	50.00	50.00	100.00
Fuel Tank 2	50	250	300	ENG-2-CFM56	25.00	75.00	100.00
Total	150	450	600				
				1			
				Save			

Joo Airtei 🗢				5:52 PM			֎ 15% ■
E-Log				E-Log			
craft Reg# I Model 8 I A310	Log Card # I Ref. # VP-002742-2017		Station AIR	Date & Time 26/04/2017 11:16:28	FH 0.00	FC 0	Status Planned
Manage Package	Cabin Defect	Maint. Events Task	\$ &	Maint./Pilot Discrepancy	Fuel / Oil Uplift	Preview and Acceptance	
Fuel/Oil Log # FLOG	000143 Up	lift Date & Time	26/04/2	017			
Fuel Distribution	Fuel Usage Details			Oil Uplift	Hydralic Uplift		
Fuel Type	Fuel Receipt #	Tracking UOM	1		Arrival	Uplift	Departure
•	REC-1	01	•	Hyd Tank	50.00	25.00	75.00
Uplift From	Trading Parter #	Fuel Transfer	Details				
Internal Stock -							
Uplift for Internal Use	Uplift for Customer	Customer #					
0	0						
Usage Category	Remarks						
HIGH 👻	Fuel Uplifted						

**Step 4:** Uplift Details recorded through MechanicAnywhere for Fuel Distribution, Engine/APU Oil and Hydraulic Oil will get updated against Fuel/ Oil Log # and will be displayed in Fuel/Oil Uplift Details screen in Flight Log business component in desktop. Please refer below snapshot for example.

Flight	t Operations > Flight Log >	Record Fuel / Oil Log			<u>~</u>						
R	Record Fuel / Oil Log					RamcoRole - R	AMCO OU 🖪	( ( <b>1</b> ) ))	1 /1 🕮 🖷		? [
- 110	4						Date Form	at <b>dd/mm/yyyy</b>	hh:r	nm:ss	
Fuel/ Oi	Fuel / Oil Log # FLO Uplift Date & Time 26/	G000143 04/2017 🗰 00:00:	00 🗰 Refe	Numberi erence Docume	Ing Type FUEL V ent Type Execution Ref # V			Aircraft Reg. # \$	0 108 VP-002742-203	17	
Executi	ion Document Details				Get Details						
il Uplif - Oil UO - Oil Upl	ft Details Fuel Uplift & Usa M Details lift Details - Engine & APU	ge Details									
•	1 - 2 / 2 🕨 🗰 🕂 🗇 3	о о т т,			人口の	J X 🛛 🗎 🛛 📽 🙂	# # W	All	•		Q
	Position Code	Position Type	On Arrival Oil		Uplifted Oil	At Dep Oil		Part #	Part De	scription	
	ENG-1	Engine		50.00	50.0	00	100.00	ALT-1	Alterna	te 1	
	ENG-2	Engine		25.00	75.0	00	100.00	ALT-1	Alterna	te 1	
– Oil Upl	Iff Details - Other Positions										•
•	1 -1/1 > >> + 🗇 8	0 G T T,			<b>入</b> 匝 0	J X 2 🗎 🛛 📽	# # W	All	•		Q
	Item #	Q MOU	On Arrival Oil	Uplifted Oil	At Dep 0	Dil					
	HydTank1		50.00	D	25.00						75.00

## ramco

#### 53 | Enhancement Notification

Flight Operations > Flight Log > Record Fuel / Oil Log	·				
★ 🗎 Record Fuel / Oil Log		F	RamcoRole - RAMCO OU 🔫 🖣 🔳 🕨	1 /1 🕮 🖶 🖨 🗲	? 🗟 🖪
			Date Format dd/mm/yyyy	hh:mm:ss	*
- Fuel/ Oil Log Details					
Fuel / Oil Log # FLOG000143	Numbering Type	e FUEL 💌	Aircraft Reg. #	P 108	
Uplift Date & Time 26/04/2017 🛗 00:00:00	Reference Document Type	e Execution Ref # 🔻	Reference Doc. #	VP-002742-2017	- 1
_	Get	: Details			
+ Execution Document Details					
Oil Uplift Details Fuel Uplift & Usage Details					
- Fuel Uplift Details					
Fuel Type	Fuel Receipt #	REC-1	Tracking UOM	01 💌	
On Arrival Fuel 150.00	Ground Consumption		Qty. Before Refuel		
Uplift From Internal Stock	Trading Partner # 👂		Uplift Qty.	450.00	
Qty. After Refuel 600.00	Fuel Transfer Details				
Uplift for Internal Use 0.00	Uplift for Customer Use	0.00	Customer # 👂		
Usage Category HIGH 💌	Remarks	Fuel Uplifted			
					-
1					
Flight Log -> Record Fuel / Oil Uplift Details				🛛 🔎 🕒 3599 Minu	te(s) 6:05 PM

# Ability to filter Child Positions in the Configuration Screen of Mechanic Anywhere

Reference: AHBG-12265

#### Background

During removal/installation of sub-assemblies from an aircraft in the **MechanicAnywhere** app, the positions of sub-assemblies are displayed hierarchically as in the aircraft configuration. As a result, specific part # may be attached in multiple positions of the aircraft and searching with Part # in the **Configuration** screen in MechanicAnywhere will list the records from multiple positions. Currently, the **Configuration** screen in **MechanicAnywhere** lists sub-assembly positions with Level Codes but in reality Level Codes are just system generated codes and mechanics do not relay on them.

#### **Change Details**

In the **Configuration** screen, a new toggle button **Incl. Child Positions** has been added. If **Incl. Child Position** is enabled during search with Position Code/ Level Code, the system will display the sub levels of Position Code/Level Code along with the requested position/level. Further, it will have no impact, if search is executed on the basis of Part #.

No SIM 🤶				1:01 PM			🔍 45% 🔳
K E-Lo	g	C	Component Replacemer	nt   LP-00007	5-2016   1   Planned		
Task De desc	scription	Status Planned	Exec. Doc Type/Doc # Ma 1-Repair/LP-000075-2 107	int. Object 71/737-800	Work Center/Station CR # YUL-100-05/YUL	CR State	IS
Repla	Configuration	on					•
	Aircraft Re	g# 1071 Model#	737-800				
	Filter By	Position Code			Empty Position	Incl.Child Positions	
	• TS01	1.11	828572-401-1:3K723	107118			
U	S01	1.11.1	828574-402-1:3K723		NHA :: 828572-401 Position :: TS01	-1:3K723   107118	ach part
Remov	S02	1.11.2	828574-402-1:3K723		NHA :: 828572-401 Position :: TS01	-1:3K723   107118	
Attac	S03	1.11.3	828574-402-1:3K723		NHA :: 828572-401 Position :: TS01	-1:3K723   107118	
	S04	1.11.4	828574-402-1:3K723		NHA :: 828572-401 Position :: TS01	-1:3K723   107118	
				Ok	NAH: NHA Pa #	art #/ NHA Serial	
		<b>X</b> Cancel		E Save		Confirm	

Exhibit 1: The Incl. Child Positions toggle button and NHA Part details column in the Configuration screen

Note: Added 'Incl. Child Positions' toggle button and 'NHA Part Details' Column in the Configuration screen of Mechanic Anywhere.

Steps to filtering the child positions based on Position Code:

- Step 1: Launch Component Replacement screen under E-Log
- Step 2: Launch Configuration screen by Clicking Help on Position
- Step 3: Enable "Incl. Child Positions" toggle button and execute search with Position Code/Level Code of NHA Part or EIPN
- Step 4: the system will list the searched Position Code/Level Code Part with its child level components.
- Step 5: Now, users can select the appropriate sub-assembly record to removal or attachment as required.



#### Exhibit 2:

No SIM 🗢					1:01 PM			۲	45% 💷
K E-Lo	g		Comp	onent Replacem	ent   LP-0000	)75-2016   1   Planne	d		
Task De: desc	scription	Status Planned	Ex 1-i	ec. Doc Type/Doc # M Repair/LP-000075-2 1	Maint. Object 1071/737-800	Work Center/Station YUL-100-05/YUL	CR#	CR Status	
Repli	Configuration							8	
	Aircraft Reg#	1071 Mode	el# 737-8	00					
	Filter By	evel Code	•	1.2		Empty Position	Incl.Child Positions		
	IH-MLG	1.2		109-3501-04LH-1	107109				
Q	I HS	1.2.	1	9171A0021-01:S495	56 MSN-01	NHA :: 109-3 Position :: LH	501-04LH-1   107109 I-MLG		ach part
Remov	ACT	1.2.	2	109-3501-04-1	MSN-02	NHA :: 109-3 Position :: LH	501-04LH-1   107109 I-MLG		
Attac	PMP	1.2.	2.1	109-3501-04-1	MSN-07	NHA :: 109-3 Position :: AC	501-04-1   MSN-02 7		
					Ok				
	) Car	<b>K</b> ncel			E Save		Confirm		

With this enhancement, users can search for Level Code by enabling toggle button 'Incl. Child Positions', and the system will retrieve the sub levels of Level Code along with requested Level Code. If search is executed for Level Code by disabling the toggle button, system will retrieve records of searched level code only.



#### Exhibit 3:

No SIM ᅙ					1:03 PM			۲	45% 💷
K E-Lo	g		Com	ponent Replacemen	t   LP-000	075-2016   1   Planned			
Task Des desc	scription	Status Planned	E 1-	xec. Doc Type/Doc # Mair Repair/LP-000075-2 107	nt. Object 1/737-800	Work Center/Station CR YUL-100-05/YUL	ŧ	CR Status	
Repla	Configuratio	n						$\otimes$	
	Aircraft Reg	# 1071	Model# 737-8	300					
	Filter By	Part#	•	109-3501-04LH-1		Empty Position	Incl.Child Positions		
	• LH-MLG	à	1.2	109-3501-04LH-1	107109				
e	HS		1.2.1	9171A0021-01:S4956	MSN-01	NHA :: 109-3501-1 Position :: LH-ML(	04LH-1   107109 G		ach part
Remov	ACT		1.2.2	109-3501-04-1	MSN-02	NHA :: 109-3501-0 Position :: LH-ML	04LH-1   107109 G		
Attac	PMP		1.2.2.1	109-3501-04-1	MSN-07	NHA :: 109-3501-0 Position :: ACT	04-1 I MSN-02		
					Ok				
	с	X			Save		Confirm		

Steps to filter the Searched Part:

- Step 1: Set the filter as 'Part'
- Step 2: Enter the Part and invoke search
- Step 3: Searched part will be fetched even the 'Include Child Positions' button is enabled,

Note: It doesn't have any impact if search is executed for the Part #

## Ability to Print Return Document from Mechanic Anywhere APP

Reference: AHBG-11903

#### Background

The enhancement brings the ability to generate Return Document from MechanicAnywhere once part returns are recorded.

#### **Change Details**

To provide the ability to print the Return report, the new button Print Return Report has been added in the

Parts Consumption screen of Mechanic Anywhere.

**Note:** The button will be visible only if Material Return # exists for the record and is only applicable for "**AME**" returns.

Exhibit 1: 'Print Return Report" in Parts Consumption screen

No SIM ᅙ			1:49 PM		@ 26% 💷
E-Log			Parts Consumption		
Execution Doc Type/Exe.Doc# Visit Package/VP-000741-2015 Task#/Discrepancy# NST-003073-2015	Seq # 1 Description TEST		Maint.Object A320-211/JS-101	Status In-Progress	
Parts Consumption 7 Part	s Return <b>6</b>				
Part List	Pending	Returns	Part Information :35895 I EXPRESS U.S.RATE SH EET NST-003073-2015 I TEST Accepted		Qty 0
NST-003073-2015   TEST Accepted   Removed Core		$\rangle$	Return Information		
0-0440-4-0011:36361   MSN0004   M	MEAL T		Certificate Details		
NST-003073-2015   TEST	ę	$\rangle$			
35895   EXPRESS US BATE SHE	FT		Record Return	Print Return Re	eport
NST-003073-2015   TEST	¢.				
Accepted   Removed Core   MRT-004581-	2017				
0-0440-4-0001:36361   43435454   5	SEE 25				
NST-003073-2015   TEST Accepted   Removed Core		$\rangle$			
0-0440-4-0001:36361   43435454   5	SEE 25				
NST-003073-2015   TEST		$\rangle$			
Accented   Removed Core		/			

Steps to Configure the Print Return Report

- Step 1: Launch Parts Consumption screen from Mechanic Anywhere
- Step 2: Navigate to Parts Return tab
- Step 3: Once return is recorded, disable the Pending Returns toggle button
- Step 4: Select the returned part which has a Return #, the Print Return Report button will be visible.
- Step 5: Press Print Return Report.

# Ability to add Corrective Action and perform Sign-off together in Mechanic Anywhere

Reference: AHBG-11921

#### Background

Corrective Action performed against the discrepancies are vital information to be tracked and reported to regulatory bodies. Each corrective action recorded against a discrepancy requires sign-off from skilled and certified mechanics or inspectors. Normally as a work practice, mechanics/inspectors record and sign-off the corrective actions together. Mechanic Anywhere App has provisions to record corrective action and perform sign-off separately. However, in real time scenarios, users would prefer to record corrective action and perform sign-off at one go.

#### **Change Details**

A new Save & Sign off button is added in the New Corrective Action pop up screen in Mechanic Anywhere

Note: The Save & Sign Off button will be visible only if Sign off Requirement "Mechanic, Inspector and RII" is enabled. Once Sign off Requirement is disabled, the Save & Sign off button also will be disabled. On click of Save & Sign off, the system will launch the E-Sign off pop up screen and then the user can sign off the corrective action.

#### Exhibit 1: The new Save & Sign Off button in the New Corrective Action pop up

No SIM 令		12	:43 PM			● 30% ■
E-Log		E	-Log			
Aircraft Reg#   Model 1071   737-800	Log Card #1 Ref. # LP-000075-2016   123	Station Montreal	Date & Time 21/10/2016 09:20:41	FH 100.00	FC 100	Status in-Progress
Manage Package	Cabin Defect Ma New Corrective Action	int. Events &	Maint/Pilot Fuel /	Oil Uplift	Preview and e	
Record Discrepan  Discrepancy	Corrective Action					
Test4 123/Log-0004	Action	Sign Of	Requirement	_		
Image: Test4         Test4           123/Log-0006         test3           123/LOG-0003         123/LOG-0003	Act.Start Date and Time	Vechan	Act.End Date and Time	RII	tto)	
Test1 123/Log-0002	Parts Required Major Item	B	Corrosion Related	B		
		Save	Save & Sign Off			

#### Steps to Save & Sign off Corrective Action:

- Step 1: Launch E-log from Mechanic Anywhere
- Step 2: Select Appropriate package # and launch Maint./Pilot Discrepancy tab
- Step 3: Create Discrepancy and launch New Corrective Action pop up screen
- Step 4: Enter the Corrective Action and select appropriate "Sign off Requirement (Mechanic, Inspector)
- Step 5: Press "Save & Sign Off"
- Step 6: System will launch "E-sign off" screen, with this user can sign off the corrective action.

*Note:* If user doesn't want to sign off and closes the *E-Sign off* screen, the system will save the corrective action recorded and he can then sign off whenever he wants.

# Ability to Return Non-tracked Parts without Removal and Different / New Serial # / Lot # against issued cores

Reference: AHBG-13361

#### Ability to Return Non-tracked Parts without Removal

#### Background

The **Record Part Consumption & Return** screen of the **Aircraft Maintenance Execution** (AME) business component in the desktop application supports return of cores directly by keying in **removed / returned p**art details without component replacements. This allows users to record the return of non-configuration tracked parts **effortlessly** without visiting the **Record AME Details** screen. However, currently, a similar feature is not supported in the **Parts Consumption** screen of **MechanicAnywhere**.

#### **Change Details**

- New '+' button will be introduced in the Parts Return tab of the Parts Consumption screen. On Invoke of '+' button, the system will launch a new section Part Return Information to record the return by keying in removed / returned part details.
- New section **Part Return Information** will allow users to record the following information to perform part returns without **Component Replacement** transaction from execution screens:
  - o Rem. / Return Part #
  - o Part Description
  - o UoM
  - o Mfr. Serial # / Serial #
  - o Mfr. Lot # / Lot #
  - o Return Quantity
  - o Stock Status
  - o Warehouse
  - o Return Classification
  - o Return Condition
  - o Return Serial / Lot type
  - o Remarks
  - o Certificate Type
  - o Certificate #

- o Certificate Date
- o Expiry Date
- o Record Return

Note: The '+' button in the *Parts Return* tab of the *Parts Consumption* screen will be visible only for returns from aircraft (i.e. if Exec. Doc Type is AME Packages)

#### Exhibit 1: The new Part Return Information section from the Parts Consumption screen

No SIM 🔶		10:35 AM		@ 11% 🗔 <del>/</del>
E-Log	I	Parts Consumption		
Execution Doc Type/Exe.Doc# Log card/VP-002784-2017	Seq # 1	Maint.Object A320-211/JS-101	Statu Plann	s ed
Task#/Discrepancy# TSK-0001-2016	Description MODIFICATION INSTRUCTION ANTENNA REINFORCEMENT	N #2 VHF		
Parts Consumption 0 Part	rts Return 0			
Part List	Pending Returns	Part Return Information Rem/Return Part #	Part Description	UOM
	Q	Mfr.Serial#/Serial#	Mfr.Lot#/Lot#	Return Quantity
No Parts Retu	urn Available	Stock Status	Warehouse	Return Classification
		Return Condition	Remarks	
		Return Serial/Lot Type Existing		
		Certificate Details     Certificate Type	Certificate #	Certificate Date
		Expiry Date		
		Record Return		
		-		

Step 1: Launch the Parts Consumption screen and navigate to the Parts Return tab.

Step 2: Press the + button adjacent to Part List.

Step 3: A new section Part Return Information is launched.

However, to return a part without component replacements, you can enter Part #, Serial # and / or Lot #,

Mfr. Serial # and / or Mfr. Lot # for the part and select New in the Return Serial / Lot Type field.

#### Ability to Return Different / New Serial # / Lot # against issued cores

#### Background

In the Desktop application, the Core Returnable parts that are issued to a package are listed in the Return Unconsumed Parts and Return Cores tabs in the Record Part Consumption & Return screen of AME. This allows users to return a different/new serial against the issued core part using the Return Cores tab. The business need is for the Part Consumption screen of MechanicAnywhere to be enhanced to support the return of a different/ new serial against the issued core.

#### **Change Details**

The **Parts Return** tab in the **Parts Consumption** screen will list issued parts with Issue Basis as 'Core Returnable' that are pending return. Currently, the **Parts Return** tab in the **Parts Consumption** screen displays only removed cores from aircraft using **Component Replacement** and issued parts (Core Returnable or Returnable) which are unused and pending for return.

The following fields are added in the **Return Information** section of the **Parts Return** tab in the **Parts Consumption** screen to enable return of new or different Serial/Lot directly from the **Parts Return** tab.

- Part #
- Mfr. Serial # / Serial #
- Mfr. Lot # / Lot #
- Return Serial / Lot type

Note: The above fields will be available only for Returns from aircraft (i.e. if Exec. Doc Type is AME Packages) with Maintenance Issue # having parts with Issue Basis 'Core Returnable'.



#### Exhibit 2:

No SIM 🗢	4:09 PM		@ 5% 🗆 <del>/</del>
K E-Log	Parts Consumption		
Execution Doc Type/Exe.Doc#         Seq #           Visit Package/VP-000741-2015         1	Maint.Object A320-211/JS-101	Status In-Pro	gress
Task#/Discrepancy#DescriptionNST-003073-2015TEST			
Parts Consumption 5 Parts Return 4			
Part List  Pending Returns Q	Part Information 0-0440-4-0001:363611434354 NST-003073-2015   TEST Accepted	154   SEE 25-30-0515 TRO	Qty LLEY 1
0-0440-4-0001:36361   43435454   SEE 25			
NST-003073-2015   TEST	<ul> <li>Return Information</li> </ul>		
Accepted I Issued Core	Part #		
0-0440-4-0001:36361   43435454   SEE 25	0-0440-4-0001:36361		
NST-003073-2015   TEST	Return Serial/Lot Type	Mfr.Serial#/Serial#	Mfr.Lot#/Lot#
Accepted I Removed Core	-	43435454	
0-0440-4-0001:36361   43435454   SEE 25	Return Classification	Return Stage	Return Warehouse #
NST-003073-2015   TEST	•	Interim -	0123 -
Accepted I Removed Core	Condition	Remarks	
0-0440-4-0001:36361   43435454   SEE 25	Unserviceable -	Removed	
NST-003073-2015   TEST			
Accepted I Removed Core			
Alternate 1	Dentificante Datalla		
NST-003073-2015   TEST	Certificate Details		

#### Step 1: Issue Core Returnable Part against Task #/Discrepancy #

Step 2: Launch the Parts Consumption screen and navigate to the Parts Return tab.

Step 3: Select the **Issued Core Returnable Part. On selection**, the four newly added fields are displayed on the **Issue reference #**.

Step 4: Enter a new / different Serial # and / or Lot # and then press Record Return.

To return a new **Serial #** and / or **Lot #**, you can enter **Mfr. Serial #** and/or **Mfr. Lot #** for the part and then select **New** in the **Return Serial / Lot Type** column.

## WHAT'S NEW IN MAINTENANCE TASK?

# Ability to inactivate previous revisions of Improvised task in Task Upload

Reference: AHBG-13037

#### Background

Consequent to a task revision, a scenario could arise wherein the previous revisions of the task become void & hence such revisions of tasks may have to be inactivated. Currently, while revising a task from the **Maintain Activated Tasks** screen, users have the provision to inactivate the previous revisions. However, this facility is not supported during bulk task upload in the **Upload Task** screen.

#### **Change Details**

In order to facilitate inactivating the previous versions of a task upon upload of the newer version of the task depending on user discretion, a new process parameter has been created under the entity type "Maintenance Task" and entity 'Task' combination in the **Define Process Parameters** activity of **Common Master**. The process parameter 'Inactivate previous revisions of Improvised task on Task upload?' determines the status (Active or Inactive) of the previous revisions of the uploaded task as elucidated in the next table.

Process Parameter Value	Impact on click of the <b>Upload</b> pushbutton in the				
	Upload Task screen				
1/Yes	The previous revisions of the task are inactivated				
	while the uploaded (newer) revision of the task				
	becomes active.				
0/No	The uploaded revision of the task becomes active				
	while the previous revisions continue to maintain				
	their Active status.				

#### Exhibit 1: The Set Process Parameters screen of the Define Process Parameters activity in Common Master

* [	Set Process Parameters			RamcoRole - RAMCO	ou z# 膏 ₽ ←	? 🗔
- En	tity Details					
_	Entity Type Maintenance	Task 💌	Entity	Task 💌		
	Record Status Active		Process Parameters Defined?	Yes		
- Pr	ocess Parameter List					
44	1 - 24 / 24 → → + ☆ ☆ ▼ T <sub>x</sub>			All All	T	Q
#	Process Parameter	Permitted Values	Value	Status	Error Message	
1	Numbering Logic for manual task creation	Enter "0" for 'Manual', "1" for ' As configured for all WBS co	des', "2" for 'As 0	Defined		
2	Numbering Logic for Task Upload	Enter "0" for 'Manual', "1" for 'As configured for all WBS con	des', "2" for 'As configured 1	Defined		
3	Include 'WBS code' for numbering generation?	Enter "0" for 'No', "1" for 'Yes '	1	Defined		
4	Include 'Task Category' for Numbering Generation?	Enter "0" for 'No', "1" for 'Yes '	1	Defined		
5	Include 'ATA #' for Numbering Generation?	Enter "0" for 'No', "1" for 'Yes '	0	Defined		
6	Include 'Task Type' for Numbering Generation?	Enter "0" for 'No', "1" for 'Yes '	1	Defined		
7	Include 'Base Aircraft Model #' for Numbering Generation?	Enter "0" for 'No', "1" for 'Yes '	1	Defined		
8	Sequence of Numbering for 'WBS Code'	Enter a value between "1" to "4"	1	Defined		
9	Sequence of Numbering for 'Task Category'	Enter a value between "1" to "4"	2	Defined		
10	Sequence of Numbering for 'ATA #'	Enter a value between "1" to "4"		Not Defined		
11	Sequence of Numbering for 'Task Type'	Enter a value between "1" to "4"	3	Defined		
12	Sequence of Numbering for 'Base Aircraft Model #'	Enter a value between "1" to "4"	4	Defined		
13	Characters to be considered for 'WBS Code'	Enter a value between "1" to "5"	3	Defined		
14	Characters to be considered for 'Task Category'	Enter a value between "1" to "7"	2	Defined		
15	Characters to be considered for 'ATA #'	Enter a value between "1" to "6"		Not Defined		
16	Characters to be considered for 'Task Type'	Enter a value between "1" to "5" New 1	process parameter to govern	Defined		
17	Characters to be considered for 'Base Aircraft Model #'	Enter a value between "1" to "5" the st	atus of previous status of	Defined		
18	Characters to be considered for auto generated number	Enter a value between "1" to "8"		Defined		
19	Allow WBS code modification?	Enter "0" for 'No', "1" for 'Yes' Drevic	ous revisions of a task.	Defined		
20	Default Operations Type	Enter "0" for 'Flight Operations', "1" for 'Repair Station		Defined		
21	Print List Selection for Task Card Files with Specific Attributes	Enter "0" for 'Matched & Generic Files' , "1" for 'Matched Fil	es Only'	Not Defined		
22	Automatic update of task effectivity for existing tasks during customer	Enter "0" for 'Not Required', "1" for 'Required'		Not Defined		
23	Enforce additional security to manage Operations Type?	Enter "0" for 'Not Required', "1" for 'Required'	0 <b></b>	Defined		
24	Inactivate previous revisions of Improvised task on Task upload?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
25						
	<					>
_		Set Process Para	meters			

Exhibit 2: The Upload Task screen of Maintenance Task

D)	Uplo	ad Task								Ra	mcoRole - RAMCO	0U - x: 🖷		+
				Create	0	Modify		O View						
· <b>—</b> • U	pload	Info. Task Upload #	<b>p</b> 7899002632	184			Upload Type Direct	Upload	l Status Fresh					
-	ask D	etails												
	4	1 -1/1 >	+ = ∅ ≤ ∅	E GL T T					🗎 🛛 C 👎	🖶 010 Al		T		Q
#		Upload Status	Msg. Center	Eff. Revised?	Task Classifier		Task # 🔎	Task Description	Long Description	Curr. Rev. #	New Rev. #	New Revision	Туре	
1		Fresh			New	*	R_10101	R_10101	R_10101					_
2						*								
	Upload task is influenced by the new process parameter.													
		<b>x</b>		Save			Upload		Cancel				,	
Maint	ain Act	ivated Task			Manage Task Effectivit	y			Manage Task	File Attachment				
-	ecord	Statistics												
			Created	By DMUSER					Create	ed Date 6/12/2017				
			Last Modified	By DMUSER					Last Modifie	ed Date 7/14/2017				
			Uploaded	By					Uploade	ed Date				

## WHAT'S NEW IN ENGINEERING DOCUMENT?

# Ensuring identical Applicability of MCR and Eng. Doc at the time reference addition

Reference: AHBG-13970

#### Background

Currently, the system does not validate the applicability of the MCR as against the applicability of the Eng. Doc. when the user updates the 'Reference' details in the Manage Engineering Doc. activity. The system proceeds to save the MCR & updates the Ref. Type as 'Related' along with Associated By/Date. The system must validate and ensure that the applicability of the MCR to be added as reference to the Eng. Doc. in question must be the same as the Eng. Doc. to prevent inconsistencies.

#### **Change Details**

With this enhancement, the system will allow association of a MCR to an Eng. Doc. in the Reference tab of the Manage Eng. Doc screen only if the applicability of both the documents is identical. However, this restriction will be implemented based on the definition of two process parameters introduced under the entity type "Eng. Doc. Type" and the entity "All User Defined" in the Define Process Parameters activity of Common Master. The tables below explain the influence of the process parameters on the reference addition for an Eng. Doc.

Process Parameter	Value	Impact
Restrict addition of Aircraft applicable	1	The system restricts the addition of MCR with
MCR as reference for		Applicability as 'Aircraft' to Eng. Doc. with
Component/Engine applicable Eng.		Applicability as 'Component/Engine'.
Doc.		
Restrict addition of Aircraft applicable	0	The system allows the addition of MCR with
MCR as reference for		Applicability as 'Aircraft' to Eng. Doc. with
Component/Engine applicable Eng.		Applicability as 'Component/Engine'.
Doc.		
Restrict addition of Component/Engine	1	The system restricts the addition of MCR with
applicable MCR as reference for		Applicability as 'Component/Engine' to Eng. Doc.
Aircraft applicable Eng. Doc.		with Applicability as 'Aircraft'.

Restrict addition of Component/Engine	0	The system allows the addition of MCR with
applicable MCR as reference for		Applicability as 'Component/Engine' to Eng. Doc.
Aircraft applicable Eng. Doc.		with Applicability as 'Aircraft'.

Exhibit 1: Identifies the new process parameters in the Set process Parameters screen.

*	Set Process Parameters				F	RamcoRole - RAMCO O	) =/\$		<b>d</b>	? [	ø
- En	ity Details										
	Entity Type Eng. Doc Type	•			Entity	data	Ŧ				
	Record Status Active			Proce	ss Parameters Defined?	No					
- Pr	cess Parameter List										-
44	26 - 34 / 34 🕨 🗰 🕂 🕸 🖏 T Tx			A L U X G		Al		Ŧ		¢.	С
#	Process Parameter	Permitted Values	Value	Status		Error Message					8
26	Sequence of Numbering for 'Eng. Doc Type'	Enter a value between "1" to "6"		Not De	fined						٦
27	Sequence of Numbering for 'MCR # / Rev #'	Enter a value between "1" to "6"		Not De	fined						
28	Sequence of Numbering for 'ATA #'	Enter a value between "1" to "6"		Not De	fined						
29	Sequence of Numbering for 'Source Doc Type'	Enter a value between "1" to "6"		Not De	fined						
30	Sequence of Numbering for 'Applicability'	Enter a value between "1" to "6"		Not De	fined						
31	Sequence of Numbering for 'Category'	Enter a value between "1" to "6"		Not De	fined						
32	Allow definition of Aircraft Model # for Component / Engine applicable MCR?	Enter "0" for 'No' , "1" for 'Yes'		Not De	fined						
33	Restrict addition of Aircraft applicable MCR as reference for Component/Engine	Enter "0" for "No", "1" for "Yes"		Not De	fined						
34	Restrict addition of Component/Engine applicable MCR as reference for Aircraft	Enter "0" for "No", "1" for "Yes"		Not De	fined						
35											
	<					_				>	
											-
		Set Process	Parameters								

Exhibit 2: The Reference tab in the Manage Engineering Document screen

★ 📄 Manage Eng. Document	RamcoR	lole - RAMCO OU 🗸 💢 📅 🖶 🛱 🗲 📍
🔄 🗉 Search - Filter 🔺 🔎 🌱 🔎		
🖻 🔄 Engineering Mod	🛄 Main 🚽 Effectivity 📋 Tasks 🛗 Schedules 📒 Reference 📑 More Inform	ation
💼 DOC-3 / 0 :: rtdrtdx :: Revised		
DOC-3 / 1 :: rtdrtdx :: Released	MCR C Eng. Doc. Others	
🖹 AD-137HQ-001 / 0 :: -sorj :: Released		
13JUL2017 / 0 :: Special :: Released	- References	
13JUL2017 / 1 :: Special :: Fresh		
234-17 / 0 :: Special :: Released		III AI 🔻
💼 1234-17 / 1 :: Special :: Fresh	# MCR # P Rev # Processing Comments Subject	Associated By / Date
ARAH / 0 :: arah :: Released		
🖹 APLI / 0 :: apli :: Fresh		
	Applicability of the MCR	
	must be the same as	
View Process Change Request	that of the Eng. Doc	
View Configuration Change Information	<	>
View New Part Requirements		
View Material Plan Requirements	Revision comments	
View Authorisation Status Log		
View Notes		
View Associated Doc. Attachments		
Initialize Eng. Doc. Schedules		

## WHAT'S NEW IN COMPONENT MAINTENANCE PLANNING?

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

Reference: AHBG-13650

#### Background

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

#### **Change Details**

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

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

3 / Allowed for Job Type On-wing /	Workscoping Comments from the Edit Package Additional
Component Removal	Information page will be defaulted for tasks / discrepancies
	with Job Type Component Removal or On-wing,

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

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

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

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

*	Set Process Parameters			RamcoRole - RAMO	:0 0U 2# 🖶 🛱 🗲	• ? 🗔
- En	tity Details					
	Entity Type Package Type	<b>v</b>	Entity	All Packages	T	
	Record Status Active	Proc	ess Parameters Defined?	Yes		
Pr	ocess Parameter List					
44	4 1 -21/21 → → + ☆ ☆ ▼ T <sub>x</sub>		비 꼬 부 눈	AI III	<b>T</b>	Q
#	Process Parameter	Permitted Values	Value	Status	Error Message	
1	Allow generation of part tag before confirmation of component replacement?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined		
2	Allow Issue of Serviceable parts having Over-Due / Retirement Tasks?	Enter "0" for "Not Allowed" , "1" for "Allowed"	0	Defined		
3	Allow modification of authorized time sheets	Enter "0" for 'No' , "1" for 'Yes'	0	Defined		
4	Allow reuse of Log Ref # across Aircrafts?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
5	Allow status change of discrepancies from more than one package?	Enter "0" for 'No', "1" for 'Yes'	1	Defined		
6	Allow status change of discrepancies which are already assigned to a package?	Enter "0" for 'No', "1" for 'Yes'	0	Defined		
7	Default Actual Hours as Task Est. Elapsed Time during Resource Actuals update?	Enter "0" for 'No' , "1" for 'Yes'	0	Defined		
8	Default Assignment by	Enter "0" for 'Tasks' , "1" for 'Skill' ,"2" for 'Work Area' , "3" for 'Zone' , "4" for 'ATA	#' 0	Defined		
9	Default Context Date?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
10	Default Filter Criteria in the Task Details tab of Edit Package Additional Information	Enter "0" for 'Workscoping Items' , "1" for 'Additional Items' , "2" for 'Detailed Items	2	Defined		
11	Default Home Base?	Enter "0" for'Not Required', "1" for 'Aircraft Base', "2" for 'Employee Base'	0	Defined		
12	Default last worked Exe. Doc. for the login user in Work Reporting Hub?	Enter "0" for 'No',	0	Defined		
13	Default Mode on Page Launch for Work Reporting Hub?	Enter "0" for "Create", "1" for "Work"	1	Defined		
14	Display Work scoping comments in Work requested field?	Enter '0' for 'Not Allowed', '1' for 'Allowed for Job type- On wing', '2' for 'Allowed for	r 0	Defined		
15	Include alternate parts and stock statuses for display of Available Qty?	Fater "0" for 'No', "1" for 'Yes'	1	Defined		
16	Number of remaining days to be considered to mark an item as an		3	Defined		
17	Planning Horizon (Days). New pl	rocess parameter	150	Defined		
18	Re-Sequence Multiplication Factor	Enter a integer between 1 to 99999	5	Defined		
19	Restrict display of Package and Unprocessed Discrepancies in AME Tree based on	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
20	Task status change on Material Issue confirmation?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
21	Validate Warehouse - User Mapping during creation of MR from Plan Material screen?	Enter "0" for "Not Required", "1" for "Required"	1	Defined		
22						
	6					>
						-
		Set Process Parameters				

#### Exhibit 2: The Record AME Details screen

arch Options: 🗹 Log Cards 📝 Minor 📝 M	Najor Search bySearch b	y 🔻 Search For	Go								
÷ 😵 🕫	Execution Record Details										
E E Search - Elter X O Y a											
VP-002637-2017 (Removal Part Information - > I											
⊞ 🦲 VP-002637-2017/1::1	Log #	Log # Orig. Work Center YUL-100-00 Maint.Event 💌 Package Desc.									
	Discrepancy	Discrepancy									
	Log Item # - Tracking # - Seq #	Record Status	Discrepancy #	Sign-off Status HS ES							
	VP-002637-2017/1 1	1 PendingDeferral	VP-002637-2017/1	Not Required PE							
	Component Replacement										
	🔁 🖻 🖬 🕱			🔶 🔶							
	Source	Status	Component Replacement #								
	Replace V										
	Removed Part #	Removed Serial # 🔊	Rem. Disposition / Codn.	Reason # Removal Qty.							
			V	▼							
	Installed Part # P	Installed Serial # P Auto Issue	A/C Level # P	A/C Position # P Attachment Qty							
< >>											
Important Dates	Object Type	Record Mode	Date & Time	Confirmed Failure?							
Links	Component	Normal V									
Check Part Availability	00041383	Removal Remarks	Existing	Removed PISH #							
ulk Material Reguest	Acceptance Ref.		Existing								
reate Engg. Service Request											
Lecord Part Consumption & Return	Generated Order #	Generated Order Status	Work Center #	Repair Agency #							
			<b>•</b>								
	Work Requested	Certificate Type									
		<b>•</b>									
	Return Classification	Return Warehouse #	WH - Zone # Bin # 🔎	Latest Return # / Status							
	<b>•</b>	-									
	Print Tag fo	· Deguested field by	on & Return Edit	Return							
	Update Rei TTTE VVOT	k Requested field by	onent Assembly Inquest Status Rout	ire Stock Balance te Unserviceable Components / Parts							
	Help on No default d	isplays the Work	talled Serial # View	Maintenance Info. for Installed Part							
	Requeste	d details from Edit									
	Package	Additional Information.									

Exhibit 3: The Route Unserviceable Components / Parts screen

🖈 🗎 Route Unserviceable Components / Parts RamcoRole - RAMCO OU 🗸 🖈 🖶 🛱 🖨 🔶 ? 🗔												
Date Format mm/dd/yyyy												
- warenous	e Details											
	U/S Routing WH # ALL	U/S Routing WH # ALL 💌		Zone # ALL		Warehouse Description						
Search Criteria												
	D-14			Dent Deneric Pro-			Web Cont					
	Pdit #			Part Description			work Cent	er #				
	SUS Disposition	<b>v</b>		Display Options	V		Object	Vpe 🔻				
	Prime Part #			Primary Model #			Part Classifica	ation				
	Possession Status	•		Ownership	•		Receipt Date: Fror	n/To 💼	<b></b>			
				Search								
- Unservice	able Components / Parts											
44 4	1 - 10 / 1000 🕨 👐	+ 🗗 T Tx				x C 🖡 🖷	III AI	•	Q			
# 8	Work Requested	Exch. Contract?	Receipt Date	Receipt #	SOS Disposition	Under Warrant	ty ?	Pend. Return Qty Core				
1			3/9/2017	RP-000141-0016		No						
2 🗉			5/24/2017	GI-010952-2017		No						
3 🗉		-	9/2017	UPRCT-000001-2017		No						
4 🗉	The Work Requested column		24/2017	MRQ001820		No						
5 🗉			/13/2015	APO00314115		No						
6 🗆	by default di	by default displays the work		SMR-008024-2016		No						
7 🗈	Requested d	etails from Record	4/2017	MRQ001804		No						
8 🗉	8 B AME Details		/17/2016	ROR-000278-2016		Not Evaluated						
9 🗈	THE Details.	Aime Details.		ROR-000278-2016		Not Evaluated						
10			8/12/2016	MIS-009026-2017		Not Evaluated						
	<								>			
🗕 Cust. Orde	er Details											
	Customer PO #			Denair Drocess Code	-		Customer Pri	ority	-			
Customer PO #				Repair Frocess Code	1		Castonier Ph	oncy	÷			
Ev	Evaluate / Get Contract											
	Internal R	epair		Extern	al Repair			Move Parts				
Create Repair Order View Pending Transfer Issues						View Part- Serial #/ Lot # transaction history						
#### 73 | Enhancement Notification

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

★ 🗎 Set Process Parameters			RamcoRol	e-RAMCO OU 🕫 🖶 🛱 🗲 우	[ō
Entity Details     Entity Typ     Record Statu	e Reports S Active	V	Entity Part Tag I Process Parameters Defined? Yes	keport 💌	
				•	Q
# Process Parameter	Permitted Values	Value	Status	Error Message	_
1 Print Work Requested in Removal Reason section?	Enter '0' for 'No', '1' for 'Y	'es' 1	Defined		
1 	New process parameter	Set Process Parameters			>
		Jet rivess raameteis			

# WHAT'S NEW IN SHOP WORK ORDER?

# Ability to indicate the work status for 'Make' Work Orders with in CoM and CoC report

Reference: AHBG-14141

#### Background

As a part of standard industry practice in Aviation, when a new part is manufactured, the part will be identified as "Prototype" and the organization will request for its approval from concerned regulatory authorities. On receipt of approval the part will be identified as 'New'. Prior to the approval, the work status of the shop work order for the manufactured part should be displayed as 'Prototype' and upon approval the work status should be replaced as 'New' in the Certificates of Maintenance and Conformity.

#### **Change Details**

In the Issue Certificates screen, the following changes have been incorporated to indicate the work status of the shop work orders with job type as 'Make' for the manufactured parts:

- > In the Certificate of Maintenance tab, the following check boxes have been added:
  - o New: Indicates the part has been approved for use.
  - o Prototype: Indicates the part is awaiting approval for use.
- > In the Certificate of Conformity tab, the following check boxes have been added:
  - o New: Indicates the part has been approved for use.
  - o Prototype: Indicates the part is awaiting approval for use.
  - o Fabricated: Indicates the part has been fabricated.
  - o Modified: Indicates the part has been modified to create a variant of the part.
  - Note: The system allows users to select the above check boxes only for work orders of job type 'Make' in both Certificate of Maintenance and Certificate of Conformity tabs.

Further, as part of the enhancement, a process parameter "Auto-selection of Work Status for work orders with Job Type 'Make' during issue certificates?" under the entity type Shop Work Order and entity User-Defined Values in the Define Process Entities activity of Common Master has been added to default the selection of the Inspect, Repair, Overhaul, and Modify check boxes based on the job type of work orders in the Certificate of Maintenance tab. The following table illustrates the functioning of the process parameter.

Process parameter Value	Impact
1	The Inspect, Repair, Overhaul, and Modify checkboxes remain
	selected on launch of the page depending on Work Status/Repair
	Process Code of the work order.
0	The Inspect, Repair, Overhaul, and Modify checkboxes remain blank.

Exhibit 1: Identifies the check boxes introduced in the Certificate of Maintenance tab of the Issue Certificates screen

Issue Certificates			:	≭ = ₽ ← ? [	۵.
Part Id Tag Certificate of Maintenance Certificate of Conformity Certifi	cate of Calibration				
Create Certificate     Reprint Certificate     Replace Certificate					
Reference Type     Work Order #	Reference #	O Get Details			^
Issue Details		S 000 00000			
	alasia Tan	Contractor Charles			
Certificate # Nu	thef Cerrise	Certificate Status			
Princeur Paper Doc #	# of Copies	Replaced Cert #			
Main Core Details					
Dart #	Sarial #				
Mfr. #	Mfr. Part #	Serial #			
Lot #	Otv.				
Mfg. Serial #	Mfg Lot #	Oty			
Component #	ultiple Cores?	Part Description			
Reference Details					
	- Description	Durch #			
Work Order # Or	er Description	Event #			
Customer # Cus	Pay Data	Enal Disposition	-DEDAID -		
Shalf Life Evo Date	T Inspect Repair Ove	arbaul Modify Increated/Tected	New Protobree		
Status		enau E Poury E Inspecteu/resteu ,	new Prototype		
- Certificate Details					
	^				
Certifying Remarks	$\sim$		New check boxes for		
Eligibility			'Make' work orders		
	X 🖂 🗒 🛪 🖡 🖬 📢 📢	1 -5/9 → → + ▼ ▼ <sub>x</sub>	Y 10 3		
AL V P		All	Q		
# Certificate Type Reqd?	#	Certifying Authority	Regd?		
1 8130-3	1	Aveos	8		
2 AIR CARRIER 8130-3	2	CAAC			
3 As Per LaserFiche	3	CASE			
4 CAAC-038	4				
Document Attachment Details					
File Name 👂 Upload Documer	ts View Associated Doc. Attachments				
- Authorization Details					
Employee Code 👂 00041383	ployee Name SENECHAL, DOMINIC	Primary Workcenter # 1	85-20 🔻		
License # 00041 A	thorization #	Authorization Ref #			
Skill Code 01 👻	Issued Date 29-06-2017 10:39:22 A				
Save					
	Approved & Print		Cancel		
Created by	Approved & Print Modified by		Cancel Approved by		
Created by Created Date	Approved & Print Modified by Modified Date		Approved by Approved Date		>

Exhibit 2: Identifies the check boxes introduced in the Certificate of Conformity tab of the Issue Certificates

screen

Issue Certificates			z; ≣	₽ ← ? [
Part Id Tag Certificate of Maintenance Certificat	ce of Conformity Certificate of Calibration			
Select Action				
	ertificate			
Reference	e Type Work Order # 💌 Reference #	Q Get Details		
Issue Details				
Cartificata #	Drinted	Cartificata Status		
Numbering Type COC	# of Copies	Replaced Cert #		
Main Core Details				
	6 - 1 F			
Part # Mfr. #	Senal #	Social #		
Lot #	Quantity	JCIIII #		
Mfg. Serial #	Mfg Lot #	Qty		
Component #	Multiple Cores?	Part Description		
Reference Details				
Work Order #	Order Description	Event #		
Customer #	Customer Order #	Customer PO #		
Ref Doc #/Rev #	Rev Date	Type of Work	Advance Excha 🔻	
Issued to Customer PO # 💌	Issue Doc #	Final Disposition	1-REPAIR 🔻	
New	Prototype	Modified	Fabricated	
- Certificate Details				
Certifying Remarks	Tay       Certificate of Conformity       Certificate of Conformity       Certificate of Certificate         the certificate of Report Certificate       Report Certificate of Report Certificate       Reference of Certificate of Certificate of Certificate of Certificate of Certificate of Report Report of Report Repor		Print MRO C of C     Print Part 2:	L C of C
		New check boxes	for	
Document Attachment Details				
File Name 👂	Upload Documents View Associated Doc. Attachment		ers -	
- Authorization Details				
Employee Code 👂 00041383	Employee Name SENECHAL, DOMINIC	Primary Workcenter #	185-06 💌	
License # 00041	Authorization #	Authorization Ref #		
Skill Code 01 💌	Issued Date 29-06-2017 10:39:23 A			
Save	Preview Approved & Print		Cancel	
Created by	Modified by		Approved by	
Created Date	Modified Date		Approved Date	

#### Exhibit 3: Identifies the process parameter introduced in the Define Process Parameters screen of Common

Master

*	Set Process Parameters						7\$		- ? [
- Er	tity Details	the Turner Shan Work Order Turne			Cather D	WO	-		
	En	International and a second sec	•		Enuty P		•		
P	Recor	a status Active		Process Paramet	ers Defined? Y	es			
									_
44	4 26 - 50 / 61 → →→ + ⊕ €	T Tx			P = 00	All		<ul> <li>auto-select</li> </ul>	×
#	Process Parameter Insert r	new row [Shift + Insert]	Permitted Values		Value	Status		Error Mes	sage
26	Automatically stop running clock of another emplo	yee during completion of Task?	Enter '0' for 'No', '1' for 'Yes'		1	Defined			
27	Auto-selection of Work Status for work orders wit	th Job Type 'Make' during issue certificates?	Enter "0" for 'No', "1" for 'Yes'		1	Defined			
28	Backdated reporting Time Limit (in days)		Enter a positive integer		100	Defined			
29	Basis of grouping tasks for printing Task Cards?		Enter "0" for 'Repair Scheme Hierarchy', "1" for 'WB	S Level'.	0	Defined			
30	CoM Reqd?	~	P. 1. 2027 10.10	'As Required'	2	Defined			
31	Component Replacement Numbering Type	New process param	eter for default selection	ument Numbering class	REPL	Defined			
32	Default Category	i tem process param		st the Entity type "Category"	1-Repair	Defined			
33	Default Numbering Type	of check boxes for I	Make' work orders	ument Numbering class	ACW0	Defined			
34	Default Priority Code		Enter a valia code deninea in the Logistics common	ters business component.	NRM	Defined			
35	Default Shop Work Order Type for Auto generate	ed Miscellaneous work orders?	Enter "0" for 'No', "1" for 'Yes'		0	Defined			
36	Default Shop Work Order Type for Auto generate	d Project work orders?	Enter "0" for 'No', "1" for 'Yes'		0	Defined			
37	Default Sign-Off requirement for Non-Routines ?		Enter "0" for 'Mechanic' , "1" for 'Mechanic & Inspec	tor', "2" for 'Inspector', "3"	0	Defined			
38	Default Task for Workscope Time booking		Enter a valid component/engine task.		3-0000003	Defined			
39	Discrepancy Numbering Type		Enter a valid Document Numbering Type defined in	Document Numbering class	CDP	Defined			
40	Display of Planning Task in Tree in RSED screen?		Enter "0" for "Not Required", "1" for "Work Scoping	Task", "2" for "Work Scoping and	0	Defined			
41	Enforce confirmation of estimations on release for	r internal orders?	Enter "0" for 'Not Required' , "1" for 'Required' , "2"	for 'As Required'	0	Defined			
42	Enforce Excess/Core Returns on order closure ?		Enter "0" for 'No' , "1" for 'Yes'		1	Defined			
43	Enforce Ref. doc. # for CoM		Enter "0" for 'Non-mandatory' , "1" for 'Mandatory'		0	Defined			
44	Enforce Sign-Off ?		Enter "0" for 'No' , "1" for 'Yes'		1	Defined			
45	Estimation Required for Internal orders?		Enter "0" for 'Not Required' , "1" for 'Required'.		0	Defined			
46	Hold Code for Pending Estimate - Internal Orders		Enter a valid Hold Code with 'Caused by' set as "Int	ernal" and with 'Initiation Level'	PE-INTERNAL	Defined			
47	Issue CoM Report Generation Grouping for the Pr	int option - One Certificate per Item	Enter "0" for 'Lot#', "1" for 'Mfr.Lot#'			Not Defined			
48	Material Movement Document Print on Requistion	from Planner	Enter "0" for 'Not Required', "1" for 'Required'		1	Defined			
49	Numbering Type for Main Core Material Requests		Enter a valid Document Numbering Type defined in	Document Numbering class	SMR	Defined			
50	Numbering Type for Maintenance Issue		Enter a valid Document Numbering Type defined in	Document Numbering class		Not Defined			
	<								>

# WHAT'S NEW IN AIRCRAFT MAINTENANCE PLANNING?

## Enhancements in Daily Planning Report

Reference: AHBG-14602

#### Background

Maintenance planners have the prime responsibility to schedule the due tasks and send the schedule details to the relevant work center on a daily basis for execution. The Daily Planning report helps planners and AMEs in planning and execution of tasks in the requested work center spanning a specified period. However, the start and end dates of the planning period for packages were not available in the report as was the rationale behind the scheduling of packages in the work center. Further, the report contained the entire tasks in the scheduled package, which could make the report lengthy or may not be necessary in certain situations.

#### **Change Details**

This enhancement will enable the Daily Planning report to display the following additional details:

- Planned Date From and Planned Date To for the package
- Comments for each task in the package and, If multiple comments have been recorded for a task, they will be displayed in the chronological order.

Included in this enhancement is also an option in the form of the "Show Related Tasks" check box to retrieve in the report only the parent tasks from the packages scheduled in the given period at the selected work center. Users may choose to retrieve parent tasks alone and not the related tasks by leaving the check box blank. Conversely, selection of the check box would show related tasks in addition to parent tasks in the report.

**Example**: T1 is the primary block task and T2 is a base task of T2 and T2 has Concurrent Exe. Specific relationship with T3 (related task). T1, T2 and T3 are packaged to P1.

If the checkbox 'Show Related Tasks' is checked, the T1, T2 and T3 tasks from the package P1 will be retrieved in the report. If the checkbox 'Show Related Tasks' is not selected, only the T1 task from the package P1 will be displayed in the report.

Next, a new column 'Comments' has been added in the Daily Planning report to display the planner / execution comments recorded at the time of creating the package in the Plan Aircraft Maintenance screen of Aircraft Maintenance Planning or Record AME Details screen of Aircraft Maintenance Execution.

The planner comments would reveal the reasoning behind the task scheduling to the AME in the work center. However, the 'Comments' column in the report has been made optional depending on the process parameter "Display Comments?" under the entity type "Reports" and entity "Daily Planning Report" in the Define Process Parameters activity of Common Master.

The table below illustrates the impact of the process parameter on the 'Comments' column.

Process Parameter "Display Comments?" value	Impact in the Daily Planning Report
1	Displays the "Comments" column
0	Hides the "Comments" column

Exhibit 1: Identifies the changes in Daily Planning Report entry screen

★ 🗎 Daily Planning Report			73	+	?	ō K
	New check box to include the	Date Format	уууу-mm-dd			
Planning Bernent O Maintenance Item A From Date 2 Work Center # II	customer related tasks in the report	Planning Element Info Maintenance Item Info <b>To Date</b> Display Options	101			
☑ Sh	how Related Tasks Print Report					

#### Exhibit 2: Daily Planning Report

	41		Daily Plar	nning	Report		A1 AN National Driv Australia Aus	/IATIO /e, Ade stralia	N SE Iaide	ERVI( e Airp	CES ort. Adela	aide South
PLANNING SUMMARY	,	Pla	nned Date From: <di< th=""><th>D/MM/Y</th><th>YYY&gt;</th><th></th><th>Planned Dat</th><th>e To: •</th><th><dd< th=""><th>/MM/</th><th>rrrr&gt;</th><th></th></dd<></th></di<>	D/MM/Y	YYY>		Planned Dat	e To: •	<dd< th=""><th>/MM/</th><th>rrrr&gt;</th><th></th></dd<>	/MM/	rrrr>	
Work Center #	Start Date	A	vailable Man Hours	Tota	al Planned Hou	ırs	Balance H	ours		F	lanned H	ours (%)
ADL HNG A	28/10/2016 00:00:0	0			14.27							
	Priority Wise Planned Ma N/A-14.27	anhours				Priority	Wise Planned N/A-100	Manho 00	ours	(%)		
Package # LIN	NE-000005-2016 Air	rcraft Reg	# VH-NJF	0	perated For			Packa	age I	Hours	<b>i</b> 14.	27
Parent Item #	Task #		Task Description		Task / Disc. Type	Priority	Est. Man Hrs.	Hrs	Re / (	maini CYC	ng / DAYS	Triggering Parameter
	146/RJ-CABIN-CHECK	CABIN C DAY TOL	ONDITION CHECKLIS ERANCE	ST +7	0		2.00	•	1	•	/ -9475	-9475.00 DAYS
	Comments: Cabin check	k to be per	rformed									
	CN0026	LEAD AC POST MO	D ELECTROLYTE LE	EVEL	0		2.02	•	/	•	/ -9447	-9447.00 DAYS
	Comments: Inspection a	ctivity										
CN0026	DISC-000143-2017	inop			AIR		1.00	•	1	•	/ •	
	ADL HNG A         28/10/2016 00:00:00           Priority Wise Planned Manhou         N/A-14.27           Package #         LINE-000005-2016         Aircraft           Parent Item #         Task #         Id6/RJ-CABIN-CHECK         CAB           146/RJ-CABIN-CHECK         CAB         DAY         Comments: Cabin check to b           CN0026         LEA         POS         Comments: Inspection activit           N0026         DISC-000143-2017         inop		1									

## Packaging multiple instances of Task

Reference: AHBG-15055

#### Background

Currently, the users can create multiple packages with an instance of the same task in **Aircraft Maintenance Planning**. However, the system allows for the release of a package with an instance of a task only if the previous instances of the same task have already been complied. However, in certain scenarios, (elaborated later in the document) it may become inevitable to package and release a task even when the previous instances of the task are due or not complied yet.

#### **Change Details**

In order to facilitate the release of a package with a task ahead of packages comprising previous instances of the same task based on user discretion, a new process parameter 'Allow release of Package with a task whose previous instance(s) is not complied?' has been created under the entity type "Maintenance Planning" and entity "Aircraft Maint. Planning" combination in the **Define Process Parameters** activity of **Common Master**. The process parameter decides whether a package with a task whose previous instances have not been complied yet can be released.

Process Parameter Value	Impact on release of the package
1/Yes	Any instance of the packaged task can be released for
	execution regardless of the chronological order of the
	planned execution in 'Planned' status.
0/No	The user has to release the package for execution containing
	the earlier instance of the task first. Instances of the task must
	be complied with in the chronological order of planned
	execution.

#### Scenario:

- Service Check is due once every seven days: 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup> and 29<sup>th</sup> of each month on an aircraft.
- Major packages are planned in advance and one such major package comprises the 5<sup>th</sup> instance of Service Check that is due for compliance on 29<sup>th</sup> of the month.

• In such a situation, the major package cannot be released, if the compliance of the previous Service Check scheduled on 22<sup>nd</sup> or even earlier has not been complied. To ensure that such major checks wellplanned in advance are released even when the earlier instances of the tasks are not yet complied, it was necessary that the condition on the compliance of the earlier instances of a task to release a package with a later instance of the task be relaxed.

#### Exhibit 1: The Set Process Parameters screen of the Define Process Parameters activity in Common Master

* [	Set Process Parameters				) » 1 /1 ¤ = = ₽ ← ?	) []
· — · En	Entity Details Entity Type Maintenance Planning Record Status Active occess Parameter List	▼	Process Parameters	Entity Aircraft M Defined? Yes	aint. Planning 💌	
44	( <u>1</u> - 2 / 2 → → + ☆ ☆ ▼ T <sub>s</sub>			# # 00 AL	<b>v</b>	Q
#	Process Parameter	Permitted Values	Value	Status	Error Message	
1	Display Block Task in "RED" colour when there is an Overdue Base Task?	Enter "0" for 'No' , "1" for 'Yes'	1	Defined		
2	Allow release of Package with a task whose previous instance(s) is not complied?	Enter "0" for 'No', "1" for 'Yes'	0	Defined		
3	<	Set Process Parameters	Ne all mi	ew process ows/disallo ultiple insta	parameter that ows release of ances of task.	

#### Exhibit 2: The Review Fleet Maintenance Plan screen of Maintenance Planning

Review Elect Maintenance Plan			RamcoRole - RAMCO OU 🗸 🚁 🚍 📩 👉 🤉 🕞
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Arrival Details		Maintenance Details	
Challen -			
From / To Date & Time 8/31/2017 11:53:10	Duration(Hrs)	Maintenance Item*	From / To Date 8/31/2017 📖 3/19/2018 E
		Get Details	
		Package Type	Assign Rele
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■ TRAC2			
Work Center #	From / To Date 8/31/2017 🕮	3/19/2018 🕮 Search on	Ge
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# What's New in Ramco ePublications?

## Ability to Generate Manufacturing Work Package Report

Reference: AHBG-15815

#### Background

Whenever a manufacturing work package is planned, a work package print will be taken with all the necessary details to support the work execution. This should include all the details regarding the part to be manufactured, its Bill of Material (BOM) and task details as per the defined process plan.

#### **Change Details**

Ramco ePublications is enhanced to generate work package report as per the specification to meet the manufacturing process.

#### Exhibit 1: Work Package report template

Based on the Job Type, Manufacturing Work Package will be generated in customized format

Search Criteria Search Criteria Search On Shop Work Order # MW00000907-2017 Get Work Order Tasks Oue List Work Order Tasks Oue List Work Order Tasks Oue List Search - Filter @ P @ Order Details Order Execution Details Part Disposition & Movement Details Reference Details Contract Terms & Conditions Removal & Warranty Details Sourd or Details Order Execution Details Part Disposition & Movement Details Contract Terms & Conditions Removal & Warranty Details Sourd or Details Order Execution Details Part Disposition & Movement Details Contract Terms & Conditions Removal & Warranty Details Sourd or Details Order Execution Details Part Disposition & Movement Details Contract Terms & Conditions Removal & Warranty Details Sourd or Details Order Execution Details Part Disposition & Movement Details Contract Terms & Conditions Removal & Warranty Details Sourd or Details Order Execution Details Part Disposition & Movement Details Contract Terms & Conditions Removal & Warranty Details Part # / Serial # P Exel Or Details Order Execution Details Part Details Contract Terms & Conditions Removal & Warranty Details Part # / Serial # P Exel Or I Order Status Planned Part # / Serial # P Exel Or I Order Status Not Applicable Onto execution Details Avece Owned P and Desc. EXP LOT Operator # Workscoping Details Workscoping Status Initial P Revision # 0 Action on Revision P Action on Revision Repair Process Code Bench Check P Repair Classification Work Requested Work Requested Work Requested	Plan Work Order				20		- ?	Ľø.
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#### Exhibit 2: Manufacturing Package details

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Task Card section is printed with the following key info,

- Details about package in Header section.
- Drawing reference detail of product structure
- Certification requirement of the work order

Exhibit 3: Manufacturing Bill of Material (BOM)

	Dat 2			Uwenpton		Work G	inder P	ramco	
4201-04000 220ND COHAU		EXHIUS	A APU MURFLER	4.00	000-002022-2017		Tarrico		
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BOM section is printed with the following key info,

This section will list the Bill of
 Materials for the part number
 to be manufactured

to be manufactured.

#### Exhibit 4: Manufacturing Task details

Dat 2		Descriptor	1	Gty	Work Order A	ramco		
24231-9-0001 22040		CORRESPONDENCES	2	4 <b>M</b>	000-002022-2017	T Call T	0	
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Task detail section is printed with the following key info,

- Details about the task main information
- Bar code action Start/Stop
   clock
- Sign off requirement of the task
- Part requirement details of the task
- Tool requirement, Skill & drawing details of the task

### ramco

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