

# RAMCOAVIATION SOLUTION VERSION 5.9 USER GUIDE SMART OPERATIONS

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## **ABOUT THIS MANUAL**

This manual briefly describes the basic processes and functions in Ramco Aviation Solution.

#### WHO SHOULD READ THIS MANUAL

This manual is intended for users who are managing the Aviation industry processes and are new to Ramco AviationSolution. This manual assumes that the user is familiar with the Aviation Industry nomenclatures and systems based software.

#### HOW TO USE THIS MANUAL

Ramco Aviation Solution provides extensive Online Help that contains detailed instructions on how to use the application. Users are suggested to use this manual for specific references, along with the Online Help. This manual contains enough information to help the users perform the basic tasks and points toward the Online Help for more detailed information.

#### HOW THIS MANUAL IS ORGANIZED

The User Guide is divided into 2 chapters and index. Given below is a brief run-through of what each chapter consists of.

Chapter 1 provides an overview of the entire **Smart Operations** business process. The sub processes are explained in the remaining chapters.

Chapter 2 focuses on the Manage Work Actions sub process.

The Index offers a quick reference to selected words used in the manual.

#### **DOCUMENT CONVENTIONS**

- The data entry has been explained taking into account the "Create" business activity. Specific references (if any) to any other business activity such as "Modify" and "View" are given as "Note" at the appropriate places.
- Boldface is used to denote commands and user interface labels.

Example: Enter **Company Code** and click the **Get Details** pushbutton.

Italics used for references.

Example: See Figure 1.1.

The Section is used for Notes, to convey additional information.

#### **REFERENCE DOCUMENTATION**

This User Guide is part of the documentation set that comes with Ramco Aviation Solution. The documentation is generally provided in two forms:

- The Documentation CD in Adobe® Systems' Portable Document Format (PDF).
- Context-sensitive Online Help information accessible from the application screens.

#### WHOM TO CONTACT FOR QUERIES

Please locate the nearest office for your geographical area from www.ramco.com for assistance.

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# **1INTRODUCTION**

In the Aviation Industry, when it comes to airframe maintenance, the mechanic carries a task card of the task that he is working on. Hence, it would be convenient to get the barcode labels printed on the task card.

**Smart Operations** is a feature designed for a mechanic to enhance the user's experience in recording various work actions, more easily and quickly.

Since the labels are printed on the respective task card itself, the barcode labels are encoded with the Task # or Discrepancy # along with the required actions such as 'Start Clock' or 'Stop Clock' and so on.

Since all the required information is encoded in the label, the mechanic can perform all his task-level actions in just a single scan of the barcode labels.

Therefore this screen enables the user to accomplish many actions with just a single scan of a Barcode that can be carried along with him during his day-to-day work. This is not only fast but also reliable as it eliminates possibility of human error and is less time consuming. With smart operations speed and accuracy can be improved

Currently, this feature is enabled for various basic actions such as follows:

- Start Clock on a Task
- Start Clock on all current jobs
- Stop Clock on a Task
- Stop all running Clocks
- Manage open work



- Review execution document
- Record discrepancy
- Record material request
- Record component replacement
- Complete Task
- Review Task / Discrepancy
- Work Hold
- Start and Stop Indirect Time
- Review Timesheet
- Planning an Execution Document

# 2MANAGE WORK ACTIONS

Instead of traversing through the application to the respective screens to perform the actions, the mechanic with a simple scan will be able to perform certain actions such as Hold on a task or work order, simultaneously start the clock on all tasks that the he had been working on previously and stop all the running clocks.

These barcode labels can be printed on the task card in two different formats as follows:

Single scan action facilitates the user to scan through a single scan for barcode

<u>Split scan action</u> requires the user to scan the action and entity separately depending on the one that is used by the Mechanic to carry out his work.

- Note: The use of the single scan action or split scan action format is a onetime backend set option. Contact technical support to set your preference.
- Note: Barcode actions have been enabled for both Aircraft Maintenance cycle and Shop cycle packages

### 2.1 DEFINING THE BARCODE LABELS TO BE PRINTED

- 1. Select the **Set Process Parameters** link in the **Define Process Entities** activity of the **Common Master** business component. The **Set Process Parameters** page appears. *See Figure 2.1.* 
  - Note: The user has the choice to decide the actions that are to be printed as Barcode Labels. This can be defined in the Set Process Parameters screen in the Define Process Entities activity of the Common Master component for the Entity Type "Package Print" and the Entity "Barcode Labels".

	Set Process Parameters			(( ( 1 ) ))	1/1 🖩 ≭ 🖶 🖨 🗲 ?	2 6
-	ntity Details					
	Entity Type Package Print	<b>v</b>		Entity Barcode Labels	•	
	Record Status Active		Coloct Entity Type	meters Defined? Yes		
-	Process Parameter List		Select Entity Type			
44	4 1 - 20 / 20 → → + Ø Ø T T.		a Barcode label	X 区 首 X2 単 単 III All	<b>v</b>	Q
#	Process Parameter	Permitted Values		Status	Error Message	
1	Print Barcode label to Start Clock on a Task ?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
2	Print Barcode label to Stop Clock on a Task ?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
3	Print barcode label to Complete Task ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
4	Print Barcode label to Review Task / Discrepancy ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
5	Print Barcode label to Start Indirect Time on <indirect category=""> ?</indirect>	Please enter permitted value.	0	Defined		
6	Print Barcode label to Start Indirect Time on <indirect category=""> ?</indirect>	Please enter permitted value.	0	Defined		
7	Print Barcode label to Start Indirect Time on <indirect category=""> ?</indirect>	Please enter permitted value.	0	Defined		
8	Print Barcode label to Stop Indirect Time ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
9	Print Barcode label to Iniiate Work Hold on a Task due to <hold code=""> ?</hold>	Please enter permitted value.		Not Defined		
10	Print Barcode label to Iniiate Work Hold on a Task due to <hold code=""> ?</hold>	Please enter permitted value.		Not Defined		
11	Print Barcode label to Initiate Work Hold on a Execution Document due to <hold< td=""><td>Please enter permitted value.</td><td></td><td>Not Defined</td><td></td><td></td></hold<>	Please enter permitted value.		Not Defined		
12	Print Barcode label to Initiate Work Hold on a Execution Document due to <hold< td=""><td>Please enter permitted value.</td><td></td><td>Not Defined</td><td></td><td></td></hold<>	Please enter permitted value.		Not Defined		
13	Print Barcode label to Start All Your Currrent Jobs ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
14	Print Barcode label to Stop All Running Jobs ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
15	Print Barcode label to Manage Your Open Work ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
16	Print Barcode label to Plan Execution Document ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
17	Print Barcode label to Review Execution Document ?	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined		
18	Print Barcode label to Record Discrepancy ?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
19	Print Barcode label to Record Parts Replacement ?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
20	Print Barcode label to Record Material Request ?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined		
21						
	4		Cli	ick here to save e parameters		Þ
		Set Proc	ess Parameters			

Figure 2.1 Setting process parameters

- 2. Use the drop-down list box to select the Entity Type as Package Print.
- 3. Use the **Entity** drop down list box and select the option **Barcode Label**.
- 4. The system retrieves details for the Entity Type 'Package Print' in the Process Parameter List multiline.
- 5. Set the various parameters in the Process Parameter List multiline as follows:
  - Yes To print the barcode label for that action
  - No To disable the print of that barcode label
- 6. **Permitted Value** In case of Indirect Category and Hold Codes, any value that has already been defined in the system has to be given to print that label.
- 7. Click Set Process Parameters pushbutton.
  - Note: You can also set process parameters for scanning actions such as recording material requests, component replacements, creating tasks/discrepancies and other documents. For more details, see 2.3.12 Process Parameters for Smart Work Actions.

### **2.2 SCANNER CONFIGURATION FOR SMART BARCODING**

Scanner configuration is required to enable smart bar code based smart actions, using Symbol Barcode scanner.

Ramco's Package Printing function generates Smart Barcodes in Package PDF, using Code-128 symbology. These barcodes are generated with Enter and Tab key codes to facilitate auto navigation / triggering of few application functions. To facilitate such actions, based on scanning, following configuration changes to be done in the scanner.

#### 2.2.1 KEY ASSUMPTIONS

Scanner should have decode compatibility "Code 39, Code 39 Full ASCII, Code 128, Code 128 Full ASCII" and supports "USB, RS232, Keyboard Wedge" interfaces.

e.g., Symbol LS2208 / LS42208

- Note: The Barcode configurations, explained in this document, works only for scanner model Symbol LS 2208.
- Solution For other model scanners, please refer respective reference document and follow the configurations given in the below section.

#### 2.2.2 SCANNER CONFIGURATIONS

#### Reset Scanner to Default Setup

Following barcode needs to be scanned to reset the any barcode scanner configuration settings. See Figure 2.2



#### Figure 2.2 Reset Barcode Scanner

#### Enable Code-128

Following barcode needs to be scanned to enable the Code-128, because barcodes on Package print has been generated by Code-128. See Figure 2.3.



Figure 2.3 Enable code 128

#### Enable the Function Key Mapping

The Functional Key Mapping is disabled by Default. This has to be enabled for this feature. See Figure 2.4





Figure 2.4 Enable function key mapping

# 2.3 MANAGING WORK ACTIONS

1. Select the Manage Your Work Actions activity in the Smart Actions business component. The Manage Your Work Actions page appears. *See Figure 2.5.* 

*	🗎 Man	age Your Work Actions		7\$		+	? [	0
			Welcome DOMINIC	S(ra	mcorole	)		
		Barcode Actions						
			Please scan the action to be performed					
		What You Scanned						

Figure 2.5 Managing Work Actions

- 2. Scan the required barcode label once the scanner is configured and connected to the system.
- 3. The scanned barcode value is displayed in the field and system automatically performs the action. See Figure 2.6.

Manage Your Work Actions		E x 중 다 수 ?
Barcode Actions	Success or Error message is displayed here on scanning Clock ended successfully.	Weksome DOMBRIC SERECHAL ( ramsorole )
What You Scanned Action Type : Stop Glock on Task Detais : CWO-008/219-2015 / NS	T-003305-2015	The action you performed is displayed here

#### Figure 2.6 Managing Work Actions

The action performed is shown in the What You Scanned section

#### 2.3.1 BARCODE LABELS FOR PERFORMING ACTIONS IN SINGLE SCAN

If the mechanic is working on AME document, he can get the task card printed for the required package from the **Record Aircraft Execution Details** screen from the **Aircraft Maintenance Execution** business component.

Similarly if the user is working on SWO document he can get the task card printed through the **Plan Work Order** screen of the **Shop Work Order** business component.

The Task Card shown below is a sample for Barcode Labels that can enable actions in just a single scan. *See Figure 2.7, See Figure 2.8.* 



open screen or popup.

A/C Model #	A310		Tally # / Tracking #	1/1
A/C Reg #	VT-666		Task #	3675/3
Exec Doc #	VP-000217-2012	ramco	Task Part #	
Parent Position			Task Part SI #	
Execution Doc #	2012			
Planning & Revie Go To : Plan Exec	we ution Document		Go To : R	wiew Task/Discrepanc
A012VP-000217-2	012		2	A206440
Go To : Review E	012	•	$-0^{-1}$	
Timesheat				
Start Clock on All	Current Jobe	M.		Stop All Running Job
Start Indirect Time			она 	rt Indirect Time Trainin A006 Trainin
Stop Indirect Time			I	Start Clock on a Tax A0014494
Step Clock on a T				
Work Holds				
Initiate Work Hold	On Exe.Doc due to Tech	lasue - Engg	Initiate Work Hold On a Ta	sk due to PE-INTERNA

Figure 2.7 Sample Format of Barcode Labels – Actions in single scan

 $\,\,\boxtimes\,\,$  Note: The barcode labels are numbered as 'A00---' for labels in Single scan

A/C Model #	A310		Tally # / Tracking #	1/1
A/C Reg #	VT-666	ramco	Task #	3675/3
Exec Doc #	VP-000217-2012		Task Part #	
Parent Position			Task Part Si #	
Addate Work Hold C Initiate Work Hold C Addate Work Hold C Work Reporting Go To : Record Cor Add544014 Go To : Record Mat	Don a Task due to AWC in	westigation		Action of the second discrepance
A01644914	NOF	X		A2034401
Printed Date: 10/25/20	015 03:11 PM	10.1		Page Number: 2 of 3

Figure 2.8 The barcode labels for Single scan

#### 2.3.2 BARCODE LABELS TO PERFORM ACTIONS THROUGH SPLIT SCAN

The sample of Barcode Labels shown below enables a user to perform actions through split scan.

The first two sheets are called the 'Coversheet for Barcode Actions', which contains only the actions to be performed. *See Figure 2.9 , See Figure 2.10.* 

🎘 Note: The Barcode Labels are numbered as 'AAO----' in split scan.



Coversheet for Barcode Actions	ramco	Log card
Execution Doc # VP-000848-2015		
Maintenance Object : A310 / VT-666		
Execution Doc #		
P001VP-000848-2015		
Planning & Reviews		
Go To : Plan Execution Document		Go To : Review Task/Discrepanc
A012VP-000848-2015		AAD4T00
Go To : Review Execution Document		
A013VP-000848-2015		
Timesheet		
Start Clock on All Current Jobs		Stop All Running Job
A009		A01
Start Indirect TimeKT		Start Indirect TimeTrainin
A006KT		A006Trainin
Start Indirect TimeOD		Stop Indirect Tim
A0060D		A00
Start Clock on a Task		Stop Clock on a Tasi
AA01T001		AA02T00
Work Holds		
THE FULL		
Initiate Work Hold On Exe.Doc due to SA	In	tiate Work Hold On Exe.Doc due to Comm Hol
AA0829P001		AA0820P00

Figure 2.9 The barcode labels for Split scan

Coversheet for Barcode Actions	ramco	Log card
Execution Doc # VP-000848-2015		I
Maintenance Object : A310 / VT-666		
Initiate Work Hold On a Task due to QUOTE HOLD	Initiate Wo	rk Hold On a Task due to AWC investigation
0002/1001		A40619100
Go To : Review Timesheet		
A011		
Work Reporting		
Go To : Record Component Replacement		Go To : Record Discrepanc
AA15T001		AA14T00
Go To : Record Material Request		Complete Tasi
		2003100

Figure 2.10 The barcode labels for Split scan

#### 2.3.3 TASK BARCODE INDEX

The Task Barcode Index contains the barcodes for all the Discrepancies and Tasks in the package. See Figure 2.11.

					ramco				
Exec Doc T	ype	Execution Doc	# A/C Model #	A/C Reg #	Component #	Part#	Serial #	Station	Date
A/C Maint, Ex #	e. Ref.	VP-000138-201	2 A310	VT-666	NA	NA	NA	AIR	7/31/2012
Seq #		Task #		Task Description	n	 Exec	ution Work Center	Baro	ode Label
1	4589/	1	dp parent			185-20			00142933
2	4589/	2	dp child			185-20			00142934
3	NST-0	000548-2012	dfg						00149266
4	4589/3	3	deesc			185-20			00171046

#### Figure 2.11 Task Barcode Index

#### 2.3.4 ACTIONS ENABLED FOR BARCODING

The following are the actions that are supported through Barcode Labels. One set of action has been designed to complete the action in the same screen. However, there are other actions that take the user to the corresponding screen, to perform the required action.

#### Start Clock on a Task

It enables the user to Clock-in on a Task that he is working on without having to open the respective screen to start the clock. *See Figure 2.12*.

If the user is using the **Single Scan** format, to start clock for a task against his login / employee ID, he has to simply scan the barcode label for start clock on a task. *Refer Figure 2.9 and Figure 2.10.* 

If the user is using the **Split Scan** format, he needs to scan the action that is start clock on a task label first, followed by the entity task / discrepancy against which the clock needs to be started. *Refer Figure 2.11.* 

- 🔉 Note: This is the same for all except the following scenarios in which case only single scan is allowed.
- Manage your open work
- Start stop indirect time

Barcode Actions	Welcome DOMINIC SENECHAL ( ramcorole )
Barcode Actions	
I	
Clock started successfully.	
Please scan the next action to be performed	
What You Scanned	
Action Type : Start Clock on Task Details : CWO-008789-2015 / NST-003305-2015	

#### Figure 2.12 Start Clock on a Task

"What You Scanned" section shows what has been scanned against what entity, as in the task or discrepancy.

The action is completed in **Manage Your Work Actions** screen itself where the user will be shown a success message that his clock has been started.

#### Stop Clock on a Task

It enables the user to end a running clock on a Task that he has been working on without having to open the respective screen to stop the clock. *See Figure 2.13.* 

Manage Your Work Actions	III × ⊕ □ ← ?
	Welcome DOMINIC SERECHAL ( ramcorole )
Barcode Actions	
1	
Clock ended successfully.	
Please scan the next action to be performed	
What You Scanned	
Acton Type : Stop Clock on Task Details : CWO-600789-2015 / INST-003305-2015	

Figure 2.13 Stop Clock on a Task

The action is completed in **Manage Your Work Actions** screen where a success message that has been stopped is displayed.

#### **Complete Task**

The user can change the status of a Task to 'Completed' after on completion of work. See Figure 2.14.

Janage Your Work Actions	11 x 응 다 수
	Welcome RICHARD OWSIANYK ( RamcoRole )
Barcode Actions	
ñ	
Task Completed Successfully.	
Please scan the next action to be performed	
What You Scanned	
Action Type : Complete Task Details : CWO-008789-2015 / NST-003305-2015	

#### Figure 2.14 Complete Task

This action, as well, is completed in the same screen and a success message is displayed.

#### Start Indirect Time

The user can start a clock on any of the Indirect Tasks, such as, Meeting, Cleaning, etc., already defined by him in 'Set **Process Parameters**' screen. *See Figure 2.15.* 



lanage Your Work Actions		
		Welcome DOMINIC SENECHAL ( ramcorole )
Barcode Actions		
	<u> </u>	
Clock	i Started Successfully.	
	Please scan the next action to be performed	
What You Scanned		
Action Type : Start Indirect Time Details : /		

#### Figure 2.15 Start Indirect Time

The system allows the user to Clock-in on only one Indirect Task at a time.

#### Stop Indirect Time

This action stops the clock running on any of the Indirect Tasks. See Figure 2.16.

nage Your Work Actions	표 25 등 12 +
	Welcome DOMINIC SENECHAL ( ramcorole )
Barcode Actions	
I	
Clock Ended Successfully.	
Please scan the next action to be performed	
What You Scanned	
Action Type : Stop Indirect Time Details : /	

#### Figure 2.16 Stop Indirect Time

#### Initiate Work Hold

'Work Hold' can be put for a Task as well as an Execution Document. There could be various reasons for putting a Task or Execution Document on 'Hold', such as, unavailability of Materials, unavailability of tools, waiting for Quote, etc.

The user should have defined the reason for Hold as 'Hold Codes' in "**Set Process Parameters**" screen to have gotten the label printed. *See Figure 2.17.* 

Barcode Actions		Welcome DOMINIC SENECHAL ( ramcorole )
	Clock Ended Successfully.	
	Please scan the next action to be performed	
What You Scanned		
Acton Type : Stop Details : /	Indirect Time	

#### Figure 2.17 Initiate Work Hold

In the above image, it is shown that the Task has been put on Hold. Similarly, when a Hold is put on an Execution Document, the message will be shown accordingly.

#### Start Clock on All Current Jobs

This label enables the user to start multiple clocks simultaneously. On a busy morning, the user need not search and scan to start the clock on each task that he had been working on the previous day. This label simply lets the user to start clocks on all incomplete jobs that he has already worked on. *See Figure 2.18*.

Manage Your Work Actions	圖 本 ⊕ ◘ ← ?
	Welcome Kishok Prabhakar / RamcoRole )
Barcode Actions	
r	
Clock started successfully.	
Please scan the next action to be performed	
What You Scanned	
Action Type : Start Clock on all your Tasks Details : /	

Figure 2.18 Start clock on all current jobs

This action just starts the clock on tasks that are not yet in 'Completed' status ignoring the tasks that were put on 'Hold' recently. It is to be remembered that this action starts the clock on only Direct Tasks. (Indirect Tasks are not considered here).

#### Stop All Running Clocks

Multiple clocks can be started similarly, multiple clocks can be stopped as well. The user need not stop individual clocks; he can stop all his running clocks before he leaves the job by the end of the day. *See Figure 2.19.* 



sinage roor work accords	Ⅲ x ⊕ 口 ← .
	Welcome Kishok Prabhakar ( RamosRole )
Barcode Actions	
E	
Clack Ended Successfully.	
Please scan the next action to be performed	
What You Scanned	
Action Type i Stop Clock on all your Tasks Details i /	

Figure 2.19 Stop all running clocks

#### 2.3.5 REVIEW TIMESHEET

This enables the user to manage all open work by navigating to the user's 'Time Tracking' screen, where he can view all the jobs he has been working on. *See Figure 2.20*.

No Pictu Availabi	Walcon Drg	e HR, DOHUK	IC SENECH	M				Frid.	ay, Oct 16 <sup>th</sup> , 2 0:20:16 A	M		0.00 Direct 1	Today's Book 0.00 0. In-Oriect TimeC	ang 00 0.0 rF Tet			
Timesheet 0	kock <b>a Tr</b> i Inne - Single © Holent Tri	usheet - Hand	d Time	n Off	Tane Herta	Hultiple	ords 👻 🕸	uning (	All jobs working this mu	that Jon, Itiline	the user is will be listed	in		Buskey	Tipe	^ .	
Booking Type Booking Code: P	5W0 CWO-0087	* 99-2015		ne De	Dearth taile	br.	•				dill. Search			5	arch		
Activity Loose	961-00336	0-2010 2		4	1 -4	/4	+ 0.0	0	τ.τ.	Ah	0 1 1 1 1 1 1	0. 8 -	- T - A			_	
Time Class. Comments	MOD	0	# 1 2 3	0.00.0	2000	Booking Tig SWO AME	<ul> <li>Booking</li> <li>C100-00</li> <li>VP-0000</li> <li>VP-0000</li> </ul>	Code 08.789- 138- 177-	Activity Code (P) NST-003305- 4589(1 VP-000877-	Seq. #	St. Date & Time 10-16-2015 09:55:01 10-15-2015 16:04:59 10-15-2015 10:44:36	End D	ete & Time	Duration	Tese Gess.	Atter Norm Norm	
D Start	Sine 1	O Close	4 5	10	۲	swo	<ul> <li>CNO-00</li> <li>CNO-00</li> <li>CNO-00</li> </ul>	08737-	3-00-45	3	10-13-2015 11:54:06					Norm	
Booking Code test Activity Code I 456	Desc. Desc.					þ Start					Stop			[A 1	ransfer		



#### 2.3.6 REVIEW TASK / DISCREPANCY

It helps the user to review the details of the Task or the Discrepancy he is working on. It simply takes the user to the corresponding screen in **Aircraft Maintenance Execution Details** screen or **Record Shop Execution Details** screen.

The above image shows the screen for Review Discrepancy for a Package. If the user scans to review a Task in a package, then the same screen will be launched in 'Work Information' tab. *See Figure 2.21, See Figure 2.22.* 

Exe. Details Aircraft Reg #P	Station AR INCIA STATION + Work Center 135-20 + Date & Time 10-16-2015 1 09:33:57	R. Hrv40540.34
🕞 Openitema (129) 📊 Discrepa cies (3) 💥	Work Information (1) 🙆 Component Replacement (1) 🍟 Material Reguest (1)	
Search Options: 🕅 Log Cards 🗐 Moor 🗭 Moor	r Search by -Search By- 💌 Search Por Go	
19 11 # Seath Man あのや月	Execution Record Details	
9 Gyr-666	688888	
Under Resolution	Exe. Ref. #Log card + 19-000138-2012 Status 31-Progress HS ES NR Category 14-es	por 💌 Ref. Trie 2
100-00 :: 4589/2 :: AJR :: dp child :: 1P- 200-00 :: 4589/3 :: AJR :: dees: :: 1P-0	Log # 4599 Drg. Work Center 185-30 Hant Event	· Package De
	and the second se	
	Discrepancy	
	Discrepancy           Image: Tracking in a - Tracking in - Seq in         Record Status         Decrepancy in         Si	gi-offStatus in
	Discrepancy         Discrepancy           Ing         Ing         Ing           Log Item # - Tracking # - Sec #         Record Status         Decrepancy #           estehy1         1         UndeResolution         \$Statu1	gr-off Statue in Ist Required
	Discrepancy         Discrepancy           Intervention         Intervention           Log tem # - Tracking # - Sec #         Record Status         Descrepancy #           Intervention         SSB()1         1         UnderResolution         SSB()1           Type         A16 # P         A(ton         Record Status         N	gr-off Status in IntRequired Source Type & No
	Discrepancy         Discrepancy           In         In <td>gr-off Status H IntRequired Source Type &amp; No Decempency V 4585</td>	gr-off Status H IntRequired Source Type & No Decempency V 4585
	Discrepancy           Discrepancy           Discrepancy           Discrepancy           Discrepancy           Discrepancy           Status         Discrepancy           Status         Discrepancy           Status         Discrepancy           Type         ATA # P         A(ton         Repart Classification           Status         Type         ATA # P         A(ton         Repart Classification           Descipancy Description         Corrective Action         Type         ATA # P         Action	groff Status IP IntRegard Source Type & No December 1 1995 Pet Regard?
	Decregancy       D   <	gr-off Status in et Required Seurce Type & He Decepancy V 4585 Pert Required No V No V

#### Figure 2.21 Review Timesheet

The second second second																					-
Search On Shop Work O	nder #	* 0	NO-008	789-20	15				Get					Date & Time	10-16-2	015 091	(II)				
Account	Work Act	ual	Repo	rt Find	ings.	Dis	assemble & A	semble (	Core	Inte	Wor	kicope	g Mater	tal Request							
Search - Fils	Dia Task D	sizy by etails		ack O	Subta	sk.															1
G G Inprop	44 4	1	-2/2		10		0 + 0		τ.		1	h h	8 × 8	8 × ¢		a (8)	Al	· ·	Q	5	
02:	a 10	м	NS	a	55	ES.	swo # P					Tas Ta	k = P	Clock Start	Date & Te	ne .		Clock End Date & Time		м	
- <b>1</b> 10 :	1 0	N	N	NS	NR;	PE	CIVO-0087	19-2015			1	123 NS	T-003304-						5	w	
	2 0	N	N	NS	NR	PE	CIVO-0087	99-2015			2	456 NS	1-003305-						N	×	
	3 []																		N	*	
e Lada .		<																	>		
Record Missing Parts Li	Time S	heet										-	n-Off Detail								
Record Part Deviation I																					

#### Figure 2.22 Review Timesheet

The above screen will be launched to Review Task or a Discrepancy from a Work Order. The 'Work Actual' tab corresponds to Tasks while 'Report Findings' corresponds to Discrepancy.

#### 2.3.7 PLAN EXECUTION DOCUMENT

This label launches the required screen to plan the job cycle for the package. If the package is a part of Shop Cycle, then "**Plan Work Order**" screen will be launched. If the package is a part of Aircraft Maintenance cycle, then the **Plan Aircraft Maintenance** screen will be launched. *See Figure 2.23*.

	Gate
By Status     O By Event	
Work Order         Work Order Tasks         Due List           Search - Piter         X         P         P           P         CWO-006789-2015         P         P	Order Details     Order Details     Order Execution Details     Part Daposition & Movement Details     Reference Details     Contract Terms & Conditions     Removal & V      SWO # Conc v CW0-000799-2015     Order Desc.     test     Conder Salus     Shorter # Drimary Work Center # 185-20     V     Event # CW0-008799-2015
	Hain Core Details      Part # / Serial # ₽ R£1127-154422      Component # Multiple Cores1 198 ▼ Main Core Status. Not Applicable      Stock Status Accepted ▼ Part Desc. Operator #      Workscreeing Details
Important Dates     Atas	Workscoping Status (1996) V Revision # 0 Action on Revision V Comments Shop Vist Caust . 0
	Repair Process Code Advance Lean 💌 Repair Classification 💌 Work Requested
	C Her Otros

Figure 2.23 Plan Execution Document

The above image shows the screen where a Work Order would be planned. For a Package in Airframe Maintenance, **Plan Aircraft Maintenance** screen will be launched.

#### 2.3.8 REVIEW EXECUTION DOCUMENT

This label helps the user to view the details of the Discrepancy and Task in the Execution document by taking him to the respective screens. If the package is a part of Shop cycle, Record Shop Execution Details will be launched while, if the package is a part of Aircraft Maintenance cycle, **Aircraft Maintenance Execution Details** screen will be launched. *See Figure 2.24.* 

Record Shop Execution	Details					● □ ? ×
- Search			<b>C A</b>			
Search On Shop Work Ord	er # CWO-008789-2015		Gec	Date & Time 10	-16-2013-09: 10	
A .	Work Actual Report Findings	Deassemble & Assemble	Core Initial Works	coping Material Request		
Search - Film     Ordersen     Concentration     Concentration     Concentration     Concentration     Concentration     Concentration     Them Re	Execution Details SWO # CWO Order Status 10-Progress  Hain Core Details Costomer Order Details  Part Disposition Report Findings  Concensive Concensive	Circ control	P 2015	Event # CNIC-008 Job Type Componer	789–2035 Primary Work Cent	185-20
Record Mesong Parts Le Record Parts Le Record Parts Levision L Record Parts Levision L	Descrepancy Descrepancy Descrepancy Descreption Type MRAP Attan P		ed Status Corrective Action New Corrective Action	6 0	Sep-Off Status Sign-Off Mechanic Singnethir Rit	

#### Figure 2.24 Review Execution Document

The image shows the review of a Work Order while Review of an Execution document in Aircraft Maintenance will be done in **Record Aircraft Maintenance Execution Details** screen.

#### 2.3.9 RECORD DISCREPANCY

While working on a Task if the user finds another damage or discrepancy, he can scan this label to record his findings against the same Execution Document. Again, if the scanned package is a part of Shop Cycle, Record Shop Execution

Details will be launched while, if the package is a part of Aircraft Maintenance cycle, the **Aircraft Maintenance Execution Details** screen will be launched. *See Figure 2.25.* 

Exe. Details Alecraft Reg # P	Ration ASR DADIA STATION V Work Center 185-20 V Date & Time 20-16-2015	C FR: Hrs40540.34
🗁 Open tama (179) 🐁 Discrepancies (1) 💢	Ion's Information (1) 🕝 Component Replacement (1) 🦞 Material Request (1)	
Search Options: 🗹 Log Cards 🗹 Minor 🗭 Najo	Search by Search Por Go	
88 E) # Search - Filter (8, 0 % )	Execution Record Details	
⇒ ≤ v+466 ⇒ ≤ v+400138-2012	888888	
200-00::4589/3 ± AIR :: dp parent           200-00::4589/3 ± AIR :: dp dvid :: VP-           200-00::4589/3 ± AIR :: dp dvid :: VP-           200-00::4589/3 ± AIR :: dp dvid :: VP-0	Due. Ref. #Log card + UP-000138-2012 Status In-Progress HS ES NR. Category Log # 4589 Drg. Work Center 185-20 Marc. Event Discrepancy	14.epar ▼ Ref. Time 2 4 ▼ Package De
	6 8 6 6	
	Log Item # - Tradving # - Seg # Record Status Discrepancy #	Sign-off Status Ht
	4589/1 1 1 UnderResolution 4589/1	Not Required
	Type ATA # P Action Report Coopfication	Source Type & No
	MR259 V 00-00 V V	Decrepancy ¥ 4585
	do parent	No V Najor Denil
	0	No. 4 3

Figure 2.25 Record Discrepancy

The above image shows the screen to 'Record Discrepancy' in a Package from Aircraft Maintenance. To 'Record Discrepancy' in a Work Order, **Record Shop Execution Details** screen will be launched.

#### 2.3.10 RECORD COMPONENT REPLACEMENT

While performing tasks on the parts, when the user wants a certain component to be replaced he can record the same by scanning this label. Yet again, if the scanned package is a part of Shop Cycle, **Record Shop Execution Details** will be launched while, if the package is a part of the Aircarft Maintenance cycle, the **Aircraft Maintenance Execution Details** screen will be launched to facilitate the same. *See Figure 2.26.* 

Record Shop Execution	n Details						⊕ □ ?	×
Search								-
Search On Shop Work On	der # CWO-008789-2015		Get	Date & Time 10-3	1-2015 30: III			
^	Work Actual Report Findings	Disassemble & Ass	emble Core Initial	Workscoping Material Request				
Tri PQ 10 10 s     ShopWorkOrder     Group CW0-008789-	Execution Details	cwo-	008709-2015	Event # CWO-00878	-2015 Prin	ary Work Center 185-20		
No Rec	Status In Progr	ess		Job Type Component				
	Customer Order Details     Replacement Details							
	Restoration Task # P	Action 🔮 Disassembly 🤅	) Assembly 🗇 Disassem	Reason Sy & Assembly 🔘 View		¥		
	Part Details							
	++ + [No records to deplay]	* * * = 0 ÷			Al		Q	
E Links .	# D OffPart# P	off Serial # P	Off Comp. # P	Initial Disposition	Std. Exch.?	Removal Qty.		
Record Masing Parts Un Record Part Deviation L Report Resource Actua	1 0				•			

#### Figure 2.26 Record Component Replacement

To record a Component Replacement for a Task in a Work Order, the above screen will be launched. To 'Record Component Replacement' for a Task in a Package, **Record Aircraft Maintenance Execution Details** screen would be launched.

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#### 2.3.11 RECORD MATERIAL REQUEST

If the user realizes the need for any part while performing tasks, he can record the same using this label. Depending on the package type the screens launched will vary. *See Figure 2.27.* 

Record Aircraft Maintenance Execution Deta	6					· • • • • •	
Exe. Details Aircraft Rog # D v1666 Go	Station AIR DIDLA STATION	▼ Work Center   185-20   ▼	Date & Tim	e   10-16-2015   j	1105-25 m	C Fit. Hrs40540.34	0
😑 Open Berns (179) 🖕 Discrepances (2) 🗦	Work Information (1) 🙆 Compone	nt Replacement (1) 🚺 Material Request	(1)				
Search Options: 🗵 Log Cards - 🗵 Minor 🗵 M	ajor Search by -Search by-	v Search For			60		
8日 # Sect-File 本の下向 9日#4-00135-2012 9日#589(1	Execution Record Details						
		\$ \$					
Mi New Request	Eve. Ref. alLog card	w W-000138-2012 Status In-Progress	HS	85	NR Category	1-Repair w turf	Time 2:
gNGT-000548-2012 gNGT-000548-2012 gNG28/3	Log # 4589	Ong. Work Center 185-20			Maint,Event	t v Pad	lage Der
	Discrepancy						
	log Term $\theta$ - Tracking $\theta$ - Seq $\theta$	Record Status	Decrepan	cy #		Sign-off Status	ie
	4184/1	UnderResolution	4589/1			Not Required	
	Haterial Request						
	🔂 🖻 🗃 🗃 🏟						
	Material Request # P	MR Status		HR Priority		Requirement Type	
				Normal			
	Part#P	Part Description		UCH P		New Part #7	
				and all shares		NO	
	MARCING P	Store stand	-	vyry. Aequire		Available Q1y-	
California Change	10,0P5303 ¥		* - <u>-</u>	1			

#### Figure 2.27 Record Material Request

Material Request for a Package in **Aircraft Maintenance** will be done in the above screen, whereas, if the user needs to Record Material Request against a Work Order, the **Record Shop Execution Details** screen will be launched

The system intuitively derives the work / action that you, the user want to carry out with the document associated with the scanned data.

Based on specific process parameters defined in the **Define Process Entities** activity of **Common Master**, the requisite tab in the Work Reporting Hub or Parts Hub appears for the scanned action / barcode. The table (popup) illustrates the impact of the process parameters defined under the entity type Package Print and the entity Barcode labels.

#### The Process Parameters table

Process parameter	Value	Default System Behavior			
Screen to be launched for Review Task / Discrepancy?	1 for Work Reporting Hub	User Action: The user has scanned barcode/entered barcode label printed in the package			
		Action Type: Review Task			
		Launches the Task tab in the Work Reporting Hub page for the Package # in which the scanned Task # exists. By default, invokes search based on Task # as "Source Task/Discrep. #" and retrieves details in the multiline.			
		User Action: The user has scanned barcode/entered barcode label printed in the package			
		Launches the Discrepancy tab in the Work Reporting Hub page for the Package # in which the scanned Discrepancy # exists. By default, invokes search based on Discrepancy # as "Source Task/Discrep. #" and retrieves details in the multiline.			
		User Action: The user has scanned barcode/entered barcode label printed in the package			
		Action Type: Review Package			
		Launches the Work Reporting Hub page for the Package #.			
Screen to be launched for Record Discrepancy?	1 for Work Reporting Hub	User Action: The user has scanned barcode/entered barcode label printed in the package Action Type: Record Discrepancy			
		Launches the Discrepancy tab in the Work Reporting Hub page for the Package # in which the scanned Task #/ Discrepancy # exists. By default, invokes search based on Discrepancy # as "Source Task/Discrep. #" and retrieves details in the multiline.			



Process parameter	Value	Default System Behavior				
Screen to be launched for Record Parts Replacement?	1 for Work Reporting Hub	User Action: The user has scanned barcode/entered barcode label printed in the package				
		Action Type: Record Parts Replacement				
		Launches the Part Attach/Remove tab in the Parts Hub page for the Package # in which the scanned Task # / Discrepancy # exists. By default, displays the scanned Task # / Discrepancy # in the 'Task / Discrep. #' drop-down list box.				
Screen to be launched for Record Material Request?	1 for Work Reporting Hub	User Action: The user has scanned barcode/entered barcode label printed in the package Action Type: Record Material Request Launches the Parts Requirements/ Request tab in the Parts Hub page for the Package # in which the scanned Task # / Discrepancy # exists. By default, displays the scanned Task # / Discrepancy # in the 'Task / Discrep. #' drop-down				

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