

RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.6

MechanicAnywhere

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WHAT'S NEW IN MECHANICANYWHERE?

Ability to Dual Authenticate employee during Task Discrepancy Sign-off in MechanicAnywhere

Reference: AHBG-15535

Background

A task/discrepancy on completion must be signed-off by authorized personnel (Mechanic/Inspector) possessing pre-defined/specific skill sets. Typically, in scenarios where sign-off is performed by means of Mobile devices, the mechanics complete the work and sign-off the task. Post sign off by the mechanic, the device is handed over to the concerned inspector to perform inspector sign-off. In this situation, the system must enable the inspector to sign off the task using the same device as used by the mechanic without having to login into the device all over again. A provision to enable multiple employees to sign off without having to re-login into the application would make the sign off process more speedy and user-friendly.

Change Details

In the **E-Sign Off** pop-up, the **Employee ID** field has been converted into an input field to enable authorized users other than the login user to sign off the task /discrepancy without logging into the iPad again. This new field by default displays the employee name of the login user. Further, the Skill # field also displays in the following way by default:

- Primary Skill mapped to the 'Employee #' in HRMS business component
- First skill effective for the employee, if Primary Skill is not defined for employee.
- Blank, if skills are not defined for the employee

To facilitate **Dual Authentication** in **MechanicAnywhere**, the following data has been defined in the **Configure Dual Authentication** screen of the Smart Card Interface business component.

- Application Group: **Mobility**
- Entity: **MechanicAnywhere**
- Action: **Sign-Off**

Process parameter dependency for task/discrepancy sign off

However, dual authentication and dual sign off for task/discrepancy in MechanicAnywhere is allowed only if the following process parameters under the entity type "Package Type" and the entity "User-Defined" are enabled in the **Define Process Entities** activity as explained next.

- A user other than the login user can sign off only if the process parameter "Allow sign-off entry by different employee?" is set as '1' (Yes)
- The same employee (Employee ID) can sign off for Inspector or RII in addition to Mechanic sign off, If the process parameter "Permit Dual Sign-off by the employee?" is set as "0" (Yes).

Exhibit 1: The E-Sign Off screen

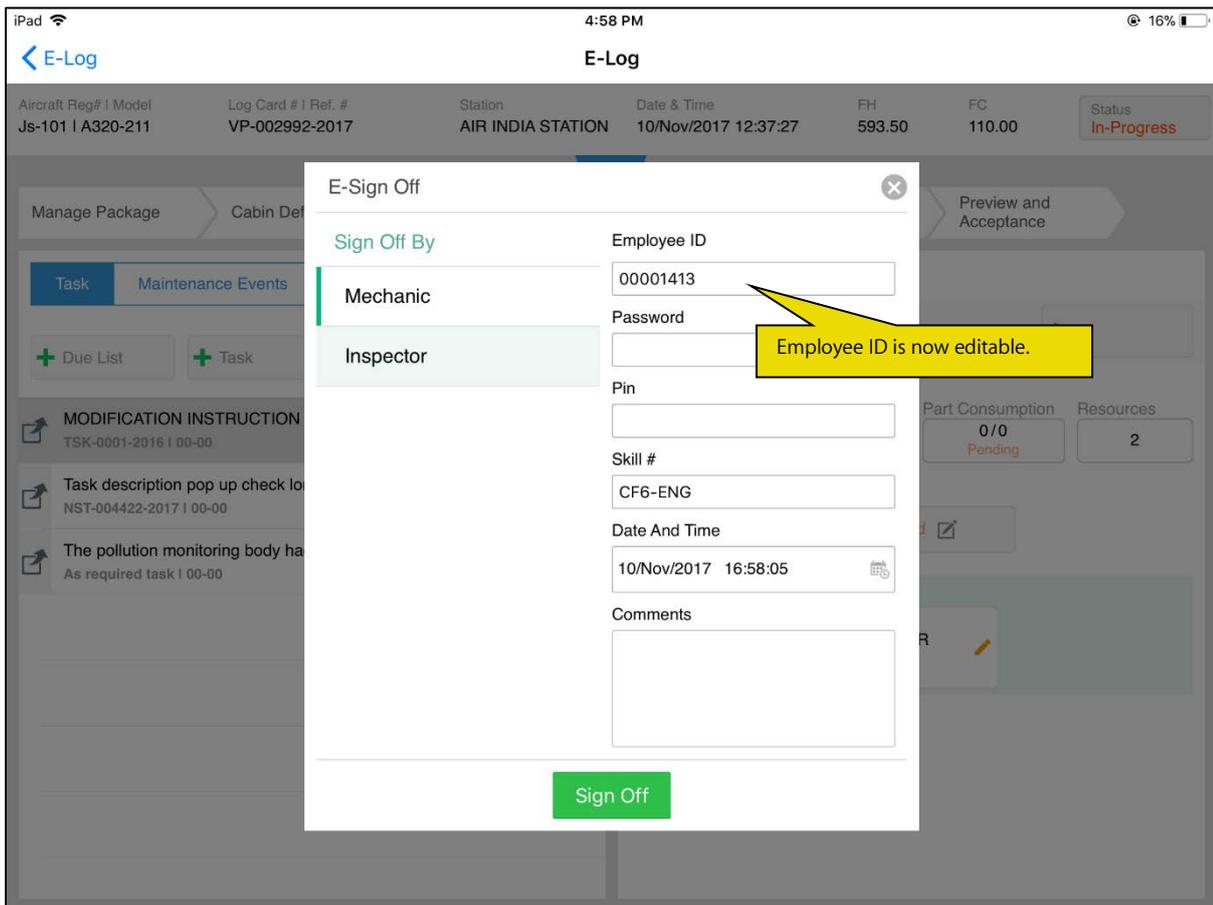
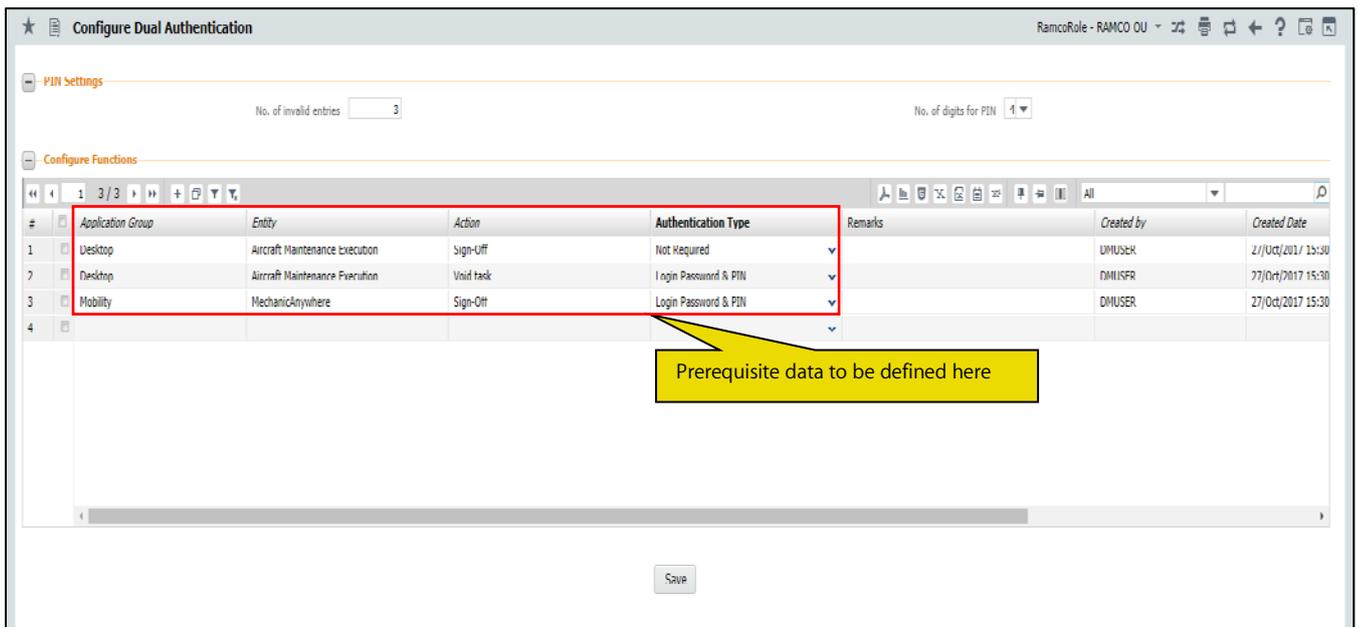


Exhibit 2: The Configure Dual Authentication screen



Ability to update parameters against Task/subtask from MechanicAnywhere

Reference: AHBG-21149

Background

A provision to update mandatory parameter readings for tasks and sub tasks before their completion is available in **Aircraft Maintenance Execution** screen in the desktop application. A similar feature is required in the **MechanicAnywhere** to support mobile users to record parameter values before the task/sub task completion.

Change Details

In order to facilitate the update of parameter values against tasks/sub tasks in **MechAnywhere**, the following changes have been incorporated in **Task Card Details**:

- New button **Parameter Recording** has been added In the **Task Card Details** screen. On click of this button the **Parameter Recording** popup will appear. However, this button will not be available for tasks/subtask for which no parameters require to be updated.
- The **Parameter Recording** button displays = (Count of parameters not updated for task/sub tasks / Total cunt of parameters defined for task/sub tasks). For every task/sub task, the following fields appear in the tab:
 - ⊖ Parameter – Displays all the parameters defined for the task/sub task
 - Value/Eval. Response – Captures the value of the parameter.
 - Exe. Remarks – Captures the remarks of execution of the task
 - Updated Date & Time – Captures the date on and time at which the parameter value was updated.
 - Updated By – Captures Employee code of the login user
- Icon differentiator for Mandatory, Pending, Completed, New and Delta parameter values
 - Mandatory parameters are displayed in Red
 - Parameters for which update is completed are displayed in Green
 - Parameters for which update is pending are displayed in Yellow

- Image identifiers for **New Update** and **Delta Update** parameters
- Callout popup over the Parameter field that will display **Current Value** and **Permitted Values** (only if available)
- **Conditional Evaluation** multiline will display the following information respective to the parameters. User can select the checkbox and on update, the system will assign the Follow-Up Task# to the package if the parameter value matches the trigger value.
 - Trigger value (Min/Max)
 - Follow-Up Action
 - Follow-Up Task #
 - Follow Up Instruction
 - ⊖ Remarks

Exhibit 1: The **Parameter Reading** button in Task Card Details screen

The screenshot displays the 'Task Card Details' screen for PR-0001-2018 | A380. The main task is 'Parameter Recording in MechanicAnywhere'. A 'Parameter Reading' button is highlighted with a red box, showing '17/17 Pending'. Below this, a table lists sub-tasks and their status for Mechanic and Inspector roles.

Sub Tasks	Mechanic	Inspector
Parameter Recording using Sub Task	00 01	N/A
Parameter Recording using Sub Task 1	N/A	00 01
Parameter Recording using Sub Task 2	01 00	00 01

Exhibit 2: The Parameter Recording pop up for task

Parameter Recording 1 | PR-0001-2018 | Recording Parameter

Task Sub Task

Parameter	Value/Eval. Response	Exe. Remarks	Update Date & Time	Updated By
N EC			12-03-2018 16:38:00	00001413
N EH			12-03-2018 16:38:00	00001413
D FC			12-03-2018 16:38:00	00001413
FH			12-03-2018 16:38:00	00001413

Conditional Evaluation

Parameter	Trigger Value	Follow-up Action	Follow-up Task#	Follow up Instruction	Remarks
<input type="checkbox"/> FH	10 / Min8 : Max10	Initiate Immediate...	task1-001		
<input type="checkbox"/> Fuel Usage	100 / Min100 : Ma...	Initiate Records Fo...		Load the Fuel with nearer station	

Legends

Mandatory D Delta Value N New Value

Update Task

Click here to update task parameters.

Exhibit 3: The Parameter Recording pop up for sub task

Task Card Details 1 | PR-0001-2018 | A380

Parameter Recording

1 | PR-0001-2018 | Recording Parameter

Task Sub Task

Parameter Recording using Sub Task

Parameter	Value/Eval.Response	Exe.Remarks	Update Date & Time	Updated By
D APUH	100		12-03-2018 16:37:00	00001413
N EF	20		12-03-2018 16:37:00	00001413
N FCR	20		12-03-2018 16:37:00	00001413

Conditional Evaluation

Parameter	Trigger Value	Follow-up Action	Follow-up Task#	Follow up Instruction	Remarks
<input type="checkbox"/> APUH		Initiate Schedule	0000-737-0006476		

Legends

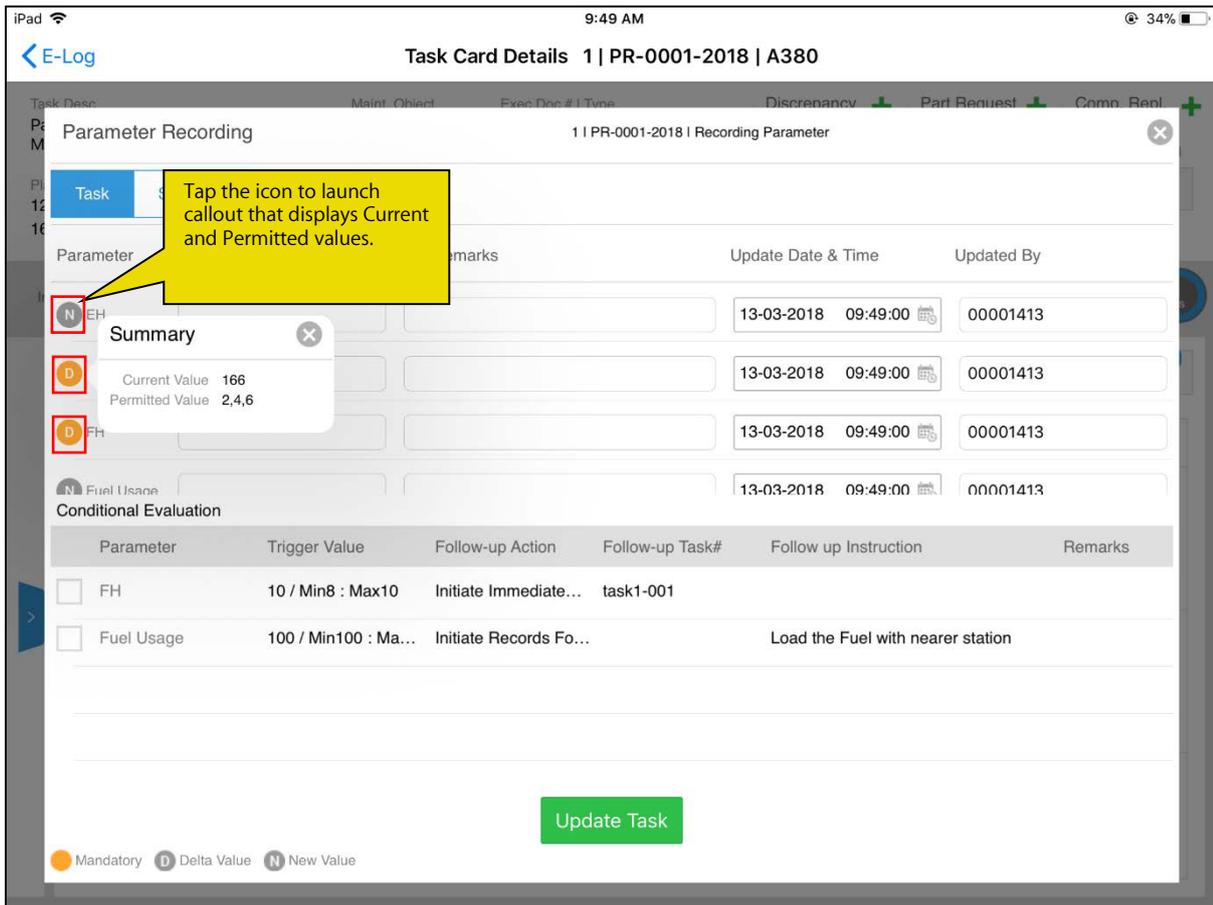
Mandatory Pending Completed D Delta Value N New Value

Update SubTask

Tap sub task for which parameters readings can be recorded.

Click here to update task parameters.

Exhibit 4: The Current & Permitted values Callout



Ability to Add/View Component Tasks in e-Log of MechanicAnywhere

Reference: AHBG-19820

Background

Presently, the users can create and assign the Aircraft tasks to a package in **MechanicAnywhere**. However, the Component tasks cannot be manually created or added to a package in the mobile application.

Change Details

To support creation and addition of the **Component** tasks by users, the below-listed changes have been done in the **MechanicAnywhere** mobile application.

- In the **Add From Task Library** and **Create Task** tabs of **Task** popup in the **Maint. Events & Task** tab of the **E-Log** screen, the following have been added:
 - o Drop-down list box **Job Type** to capture **Component** tasks. The drop-down list box to default the **Job Type** as "Aircraft".
 - o New input fields - **Part #**, **Serial #** and **Position Code** to capture component details
- In the **Maintenance Events** popup in the **Maint. Events & Task** tab of the **E-Log** screen, the following have been added:
 - o Icons to differentiate the **Aircraft** and **Component** applicable tasks.
 - o New **Component Details** section to view the Component and Job type details of the tasks. Component Details section to display only if **Job Type** is selected as **On-Wing/Off-Wing/Component Removal**
 - o **Job type** of the task to be displayed alongside task details

Exhibit 1: The Task popup in the **Maint. Events & Task** tab of the **E-Log** screen

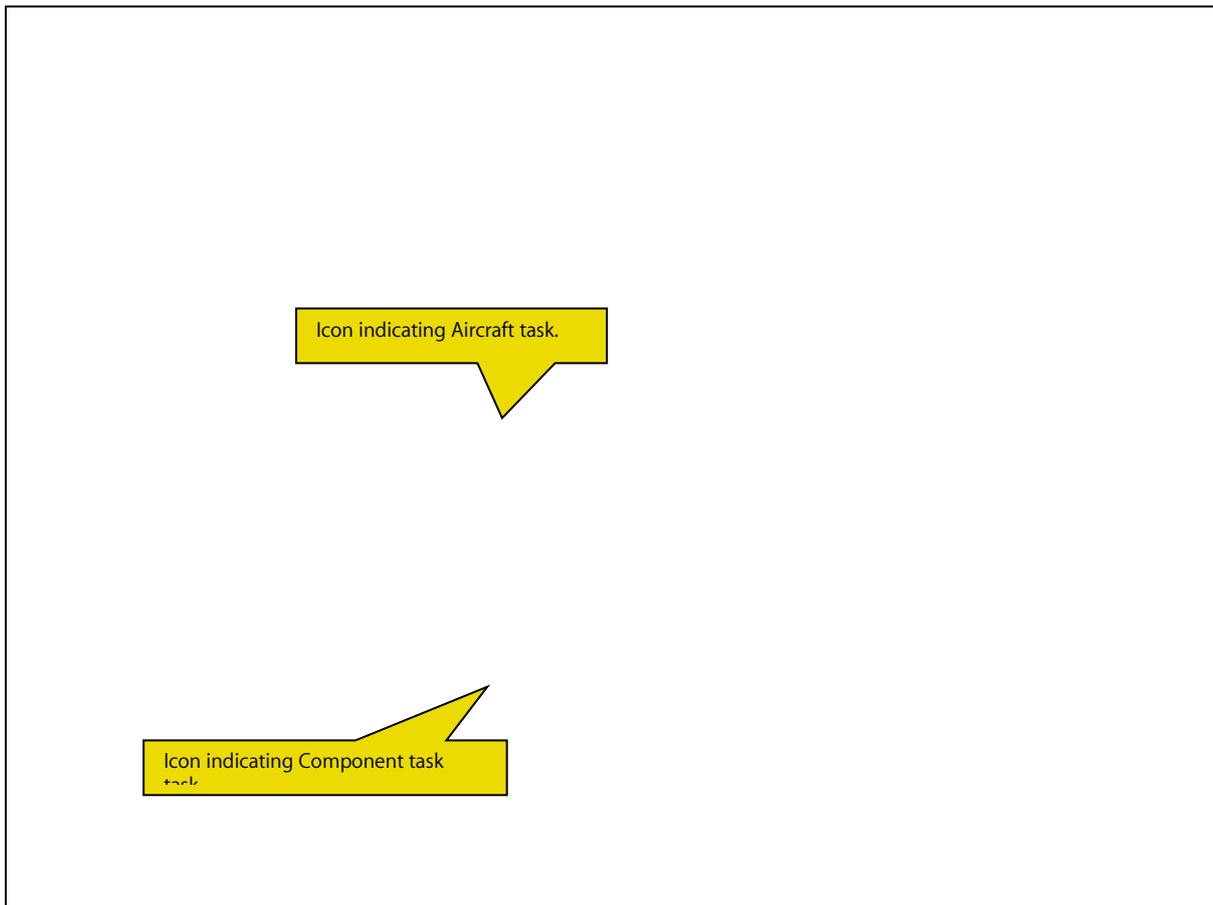
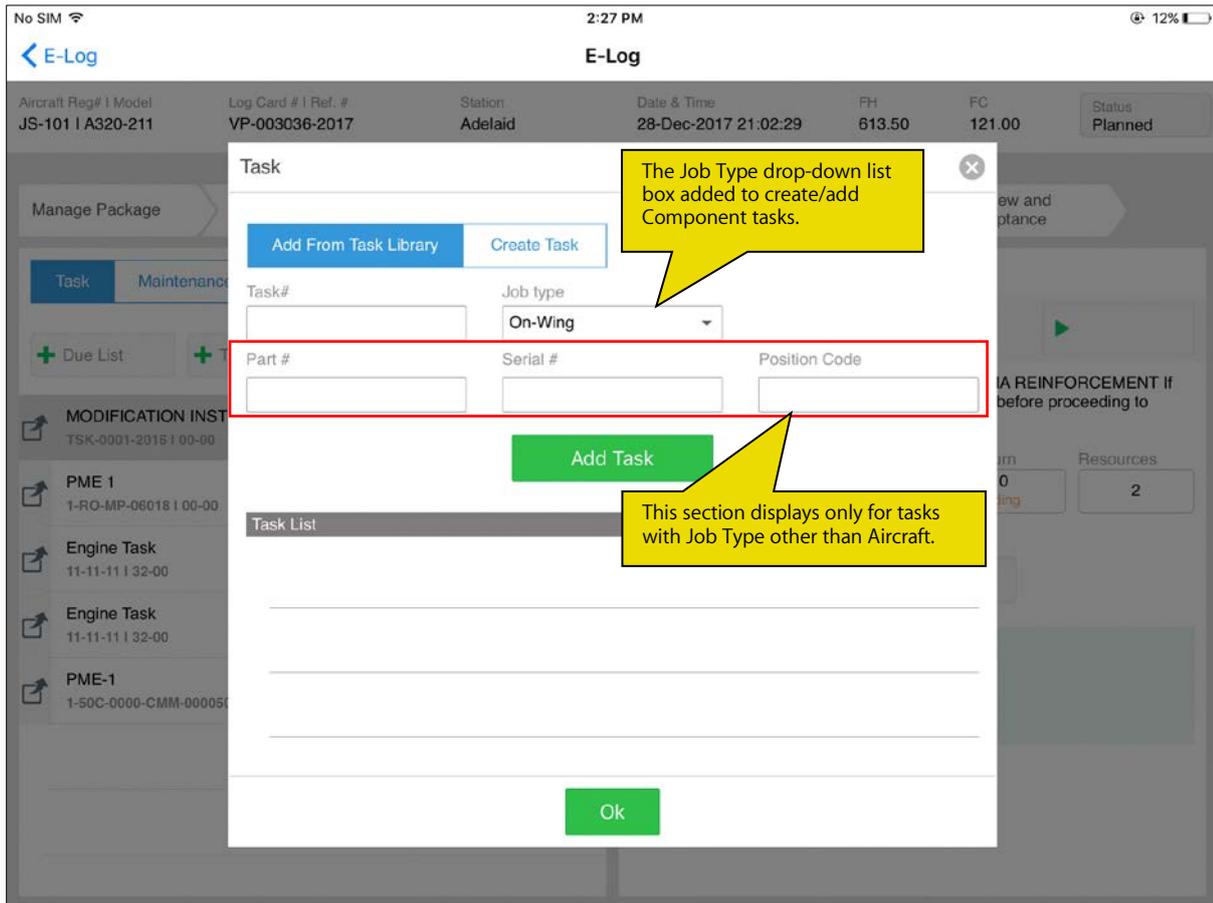


Exhibit 2 The **Add From Task Library** tab in the **Task** popup in the **Maint. Events & Task** tab of the **E-Log** screen



Ability to display and modify the Sign Off Comments in MechanicAnywhere

Reference: AHBG-22394

Background

In **Aircraft Maintenance**, typically the **Quality Audit** team reviews the Sign Off comments that the mechanics provide on completing a task or closing a discrepancy. Further, the mechanics would also want to modify the Sign Off comments made previously or add new comments against a task/discrepancy. Considering these critical requirements, a provision to add, update and view the Sign Off comments against a task/discrepancy must be built into **MechanicAnywhere**.

Change Details

The following developments have been carried out in **MechanicAnywhere** to enable the addition, update and viewing of Sign Off comments:

Discrepancy Card screen:

- New column **Sign Off Comments** added in the **Resolution History** tab with an icon . This icon indicates that sign off comments are available for the discrepancy. The users can swipe the record to view the **Sign Off Comments** button. On tapping of the **Sign Off Comments** button, the **Sign Off Comments** popup opens up. Now, the users can add new comments or modify/view existing comments in this popup for the selected discrepancy.

Task Card screen:

- New **Sign Off Comments History** tab has been added in the **Task Card Details** screen. This tab displays the Sign Off Comments details of all the sub tasks of the selected task including **Seq#, Sub Task Description, Skill #, Resource Group, , Employee #, Performed Date& Time** and **Sign Off Comments**.
- The **Sign Off Comments** column displays the icon , which indicates that sign off has been completed and Sign Off Comments has been provided for the task. On swipe of the records the **Sign Off Comments** popup for the task/sub task appears. The users can add new comments or modify/view existing comments in this popup for the selected sub task.

Exhibit 1: New Sign Off Comments popup

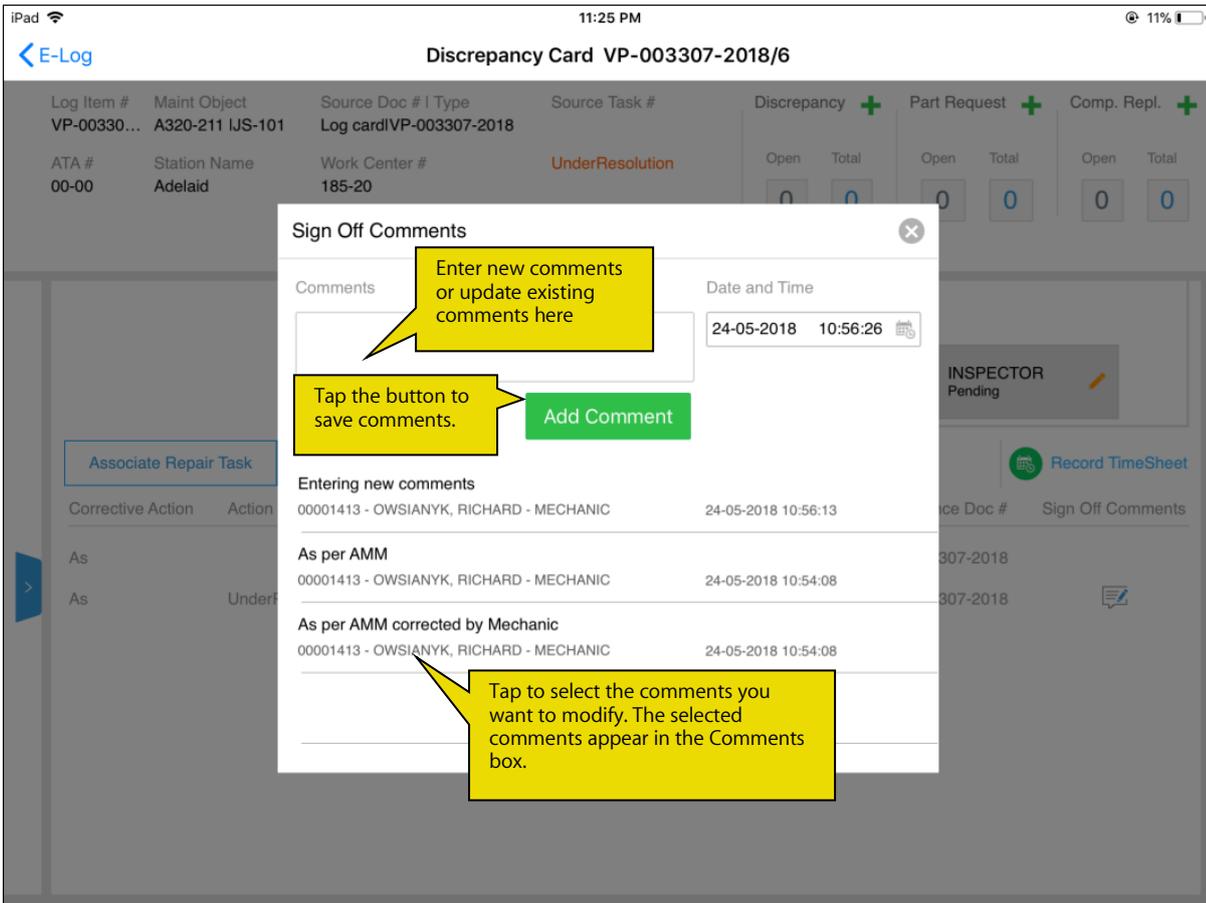


Exhibit 2: The changes in the **Discrepancy Card** screen in **MechanicAnywhere**

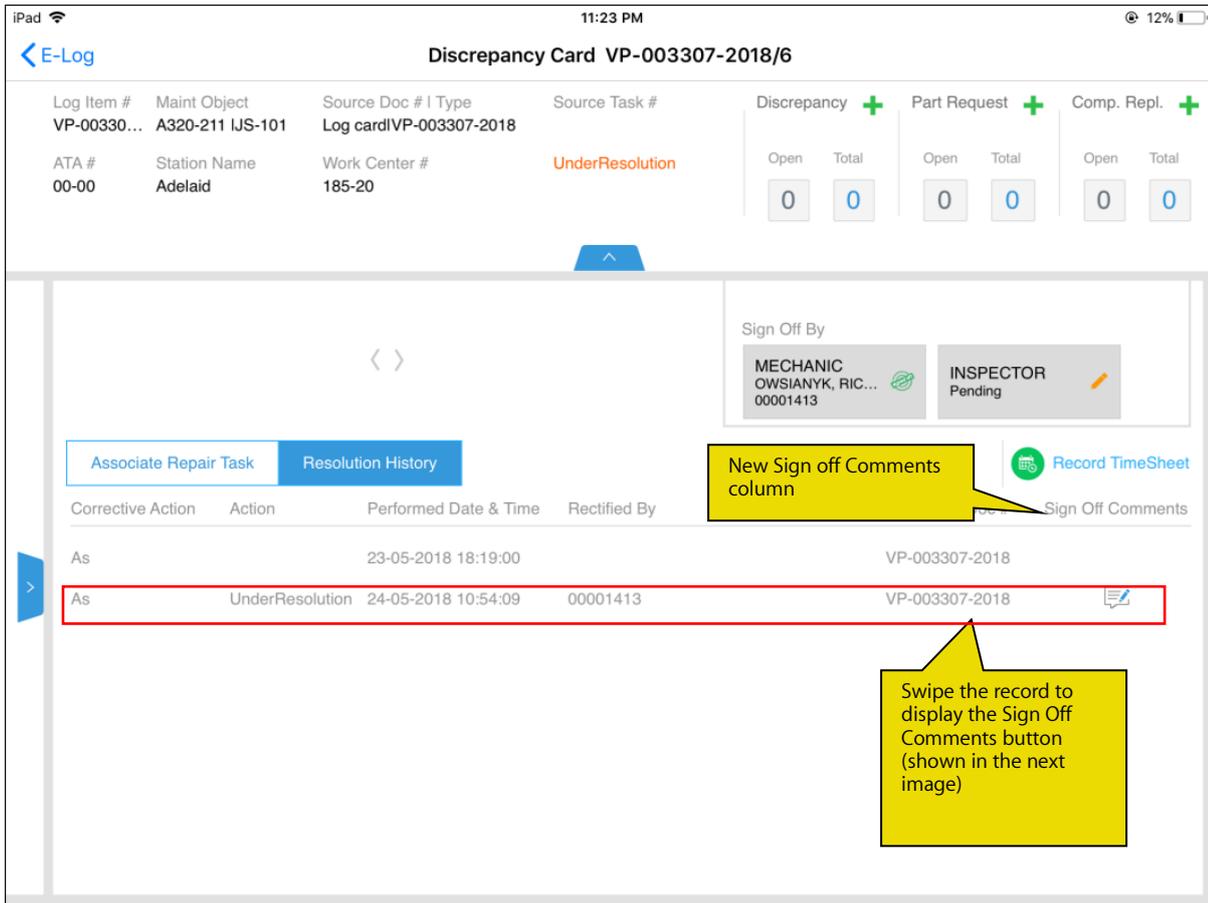


Exhibit 3: The changes in the **Discrepancy Card** screen in **MechanicAnywhere**

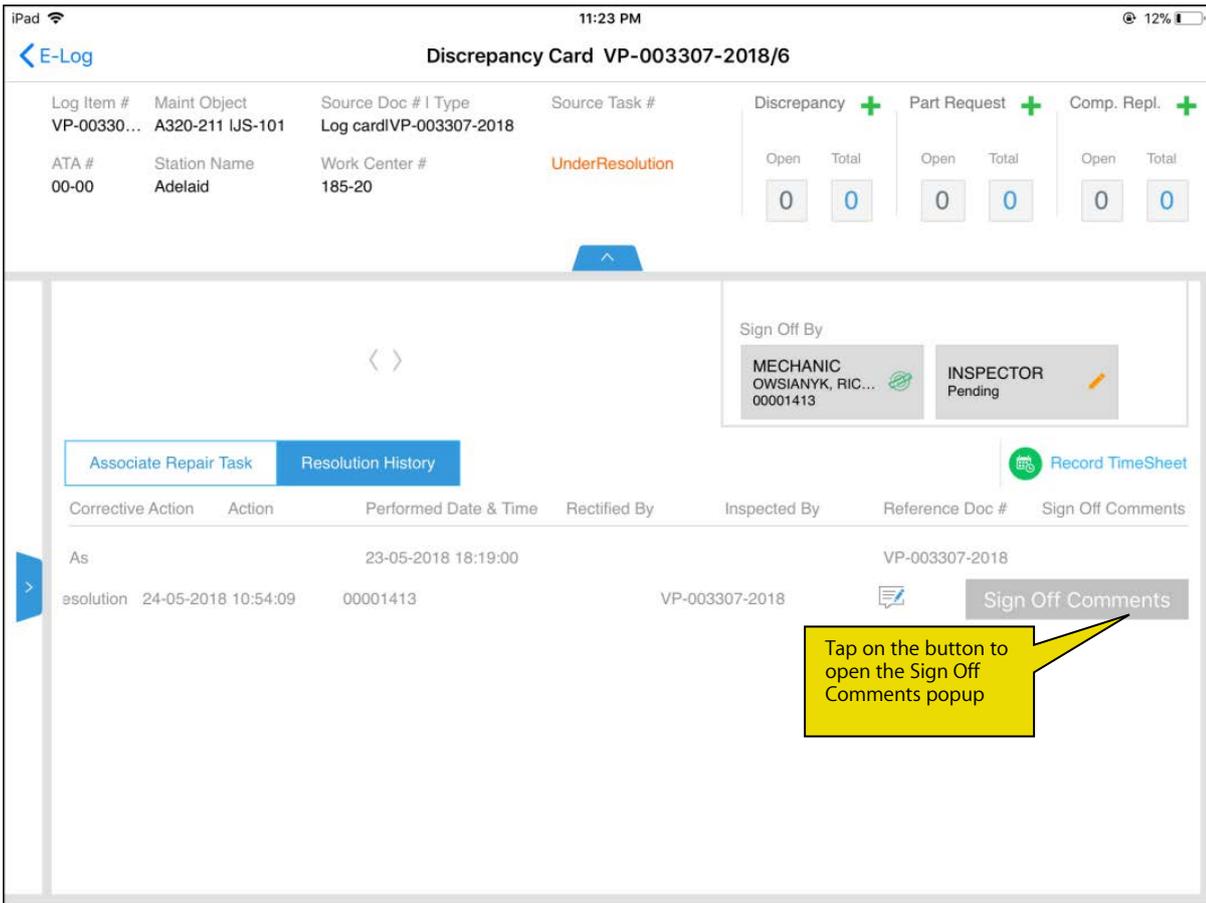


Exhibit 4: The changes in the **Task Card Details** screen in **MechanicAnywhere**

The screenshot displays the 'Task Card Details' screen for task TSK-0001-2016 | MPD. The top section shows task metadata including 'Task Desc', 'Maint. Object', 'Exec. Doc # | Type', and summary statistics for 'Discrepancy', 'Part Request', and 'Comp. Repl.'. Below this is a navigation bar with buttons for 'In-Progress', 'Sign Off Requirement', 'Signed off', 'Execution Comments', 'Parameter Recording', 'Estimation Status', and 'Part Consumption & Return'. The main content area features a 'Sub Task' list with columns for 'Seq #', 'Sub Task Description', 'Skill #', 'Resource Group', 'Employee #', 'Performed Date & Time', and 'Sign Off Comments'. A yellow callout points to a new 'Sign Off Comments History' tab. Another yellow callout indicates that swiping a record to the left reveals a 'Sign Off Comments' button. The table contains several records, with the one for 'ELEVATOR SPRING TAB M...' on '16-05-2018' highlighted in red.

Seq #	Sub Task Description	Skill #	Resource Group	Employee #	Performed Date & Time	Sign Off Comments
2.10	PITCH DISCONNECT - DIS...	00	Mechanic	00001413	16-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	16-05-2018	[Icon]
2.12	RUDDER PUSH OFF SWIT...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
2.13	PITCH DISCONNECT - DIS...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
2.14	ELEVATOR SPRING TAB M...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
2.9	RUDDER PUSH OFF SWIT...	00	Mechanic	00001413	16-05-2018	[Icon]
2.3	ELEVATOR SPRING TAB M...	00	Inspector	00001413	16-05-2018	[Icon]
2.10	PITCH DISCONNECT - DIS...	00	Mechanic	00001413	16-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	17-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	17-05-2018	[Icon]

Exhibit 5: The Task Card Details screen in MechanicAnywhere

The screenshot displays the 'Task Card Details' screen for task '2 | TSK-0001-2016 | MPD'. The top section includes task metadata: Task Desc (MODIFICATION INSTRUCTION #2 VHF ANTENNA REINFORCEMENT), Maint. Object (js-101 - A320-211), Exec. Doc # | Type (VP-003293-2018 - Line Package), Plan Dates and Time (16-05-2018-18-05-2018), CO#, and Customer # - Name. Summary statistics for Discrepancy, Part Request, and Comp. Repl. are shown with 'Open' and 'Total' counts, all currently at 0. A navigation bar contains buttons for 'In-Progress', 'Sign Off Requirement', 'Signed off', 'Execution Comments', 'Parameter Recording' (2/2 Pending), 'Estimation Status' (Not Required), and 'Part Consumption & Return'. Below this is a 'Sub Task' section with a 'Sign Off Comments History' tab. A table lists sub-tasks with columns for Seq #, Sub Task Description, Skill #, Resource Group, Employee #, Performed Date & Time, and Sign Off Comments. A 'Sign Off Comments' button is highlighted with a yellow callout box containing the text: 'Tap on the button to open the Sign Off Comments popup'. Other UI elements include 'Attachments' (10) and 'Record TimeSheet'.

Seq #	Sub Task Description	Skill #	Resource Group	Employee #	Performed Date & Time	Sign Off Comments
2.10	PITCH DISCONNECT - DIS...	00	Mechanic	00001413	16-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	16-05-2018	[Icon]
2.12	RUDDER PUSH OFF SWIT...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
2.13	PITCH DISCONNECT - DIS...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
2.14	ELEVATOR SPRING TAB M...	CF6-ENG	Mechanic	00001413	16-05-2018	[Icon]
FF SWIT...	00	Mechanic	00001413	16-05-2018	[Icon]	[Icon]
2.3	ELEVATOR SPRING TAB M...	00	Inspector	00001413	16-05-2018	[Icon]
2.10	PITCH DISCONNECT - DIS...	00	Mechanic	00001413	16-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	16-05-2018	[Icon]
2.11	ELEVATOR SPRING TAB M...	00	Mechanic	00001413	16-05-2018	[Icon]

Ability to add Open discrepancies in MechanicAnywhere

Reference: AHBG-16937

Background

The **Aircraft Maintenance Execution** business component in the **Ramco Aviation** desktop application allows user to add the Open (Under resolution) discrepancies to another package. This enables mechanics to work on the discrepancies, if they find the opportunity to work on them earlier than the scheduled date for the aircraft. Similar feature is required in the **Maint./Pilot Discrepancy** tab of the **E-Log** screen of **MechanicAnywhere** application as currently, the Open discrepancies cannot be added to another package.

Change Details

The **Add Deferred Discrepancies** popup in the **Maint. /Pilot Discrepancy** tab of the **E-Log** screen has been renamed as **Add Discrepancies**.

Now, the users can retrieve all the unresolved discrepancies of their choice and then allocate them to a package for execution.

The **Filter By** (first) drop-down list box has been added in the **Add Discrepancies** popup with the following values:

- Deferred
- Open

However, on launch of the **Add Discrepancies** pop up, the **Filter By** drop-down list box will display **Deferred** and the second drop-down list box (**Advanced Filter 1**) will display the following values:

- Due By Days
- Overdue By Days
- Remaining FH
- Remaining FC
- Discrepancy #
- Description
- ATA #
- Discrepancy Type
- Discrepancy Category
- Deferral Type

On selection of **Open** in the **Filter By** drop-down list box, **Advanced Filter 1** will load the following values:

- Discrepancy #
- Exe. Doc #
- Discrepancy Type
- Discrepancy Description
- Discrepancy Category
- ATA #

The users can use the third drop-down list box (**Advanced Filter 2**) to select the value for the attribute selected in **Advanced Filter 1**

Discrepancy Retrieval

To retrieve discrepancies from **Due Items**, the users can select 'Deferred' from the **Filter By** drop-down list box.

Alternatively, discrepancies in the following statuses from packages created against the aircraft are retrieved, if Open is selected in the first drop-down list box.

- Fresh
- Pending
- Under Resolution
- Pending Deferral
- Deferred

The users can select the check box for the discrepancies and then click the **Add** button to allocate the discrepancies to a package. These discrepancies assume the status of "Under Resolution" in the allocated package.

Exhibit 1: The Maint./Pilot Discrepancy tab of the E-Log screen

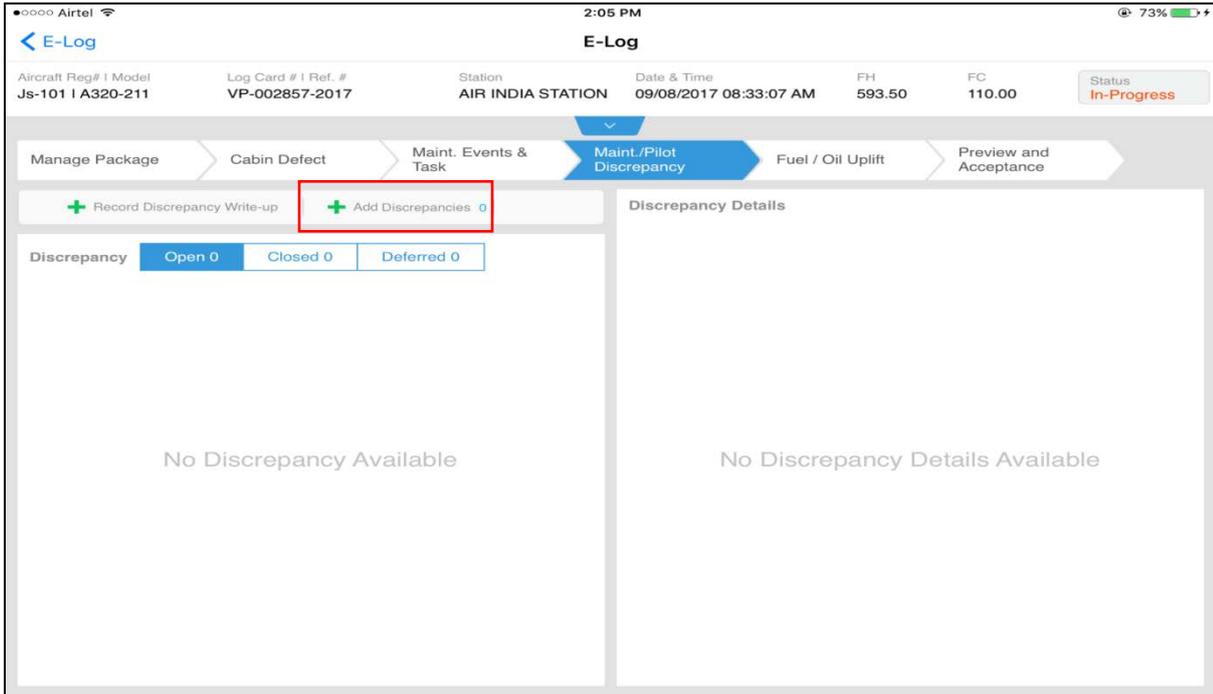


Exhibit 2: The rechristened Add Discrepancies pop-up with Filter By as Deferred

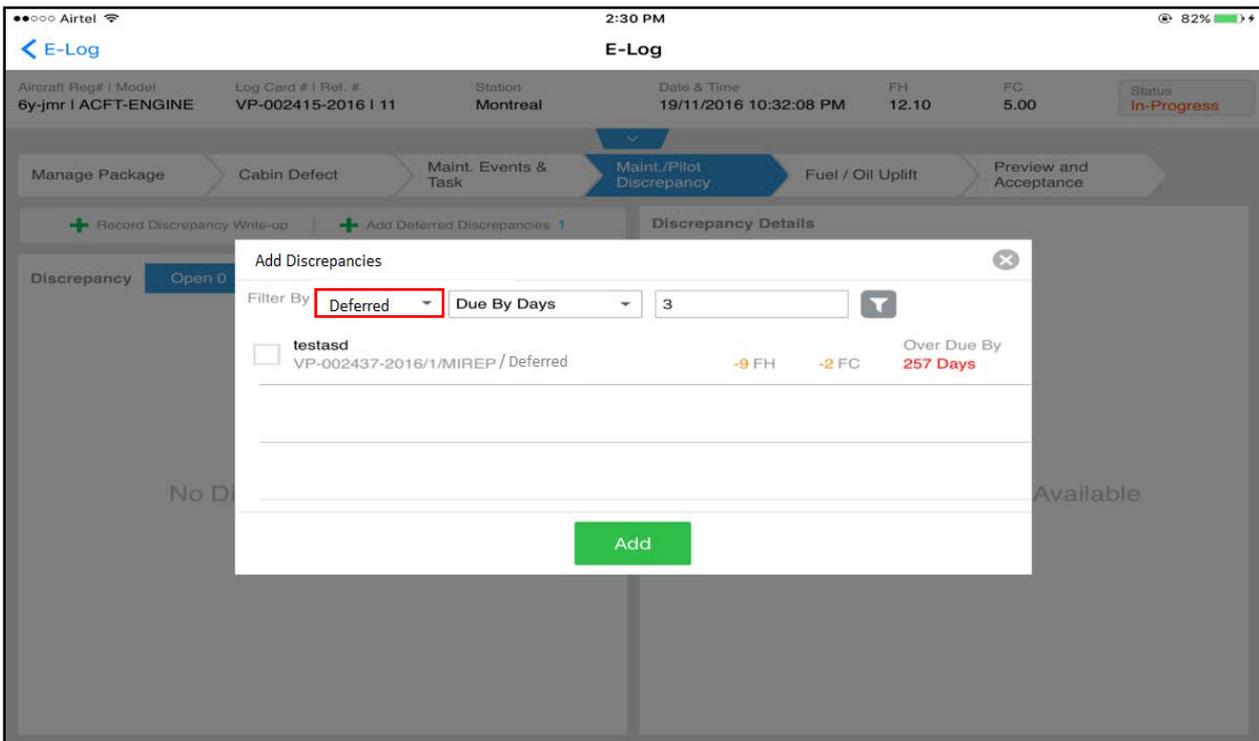
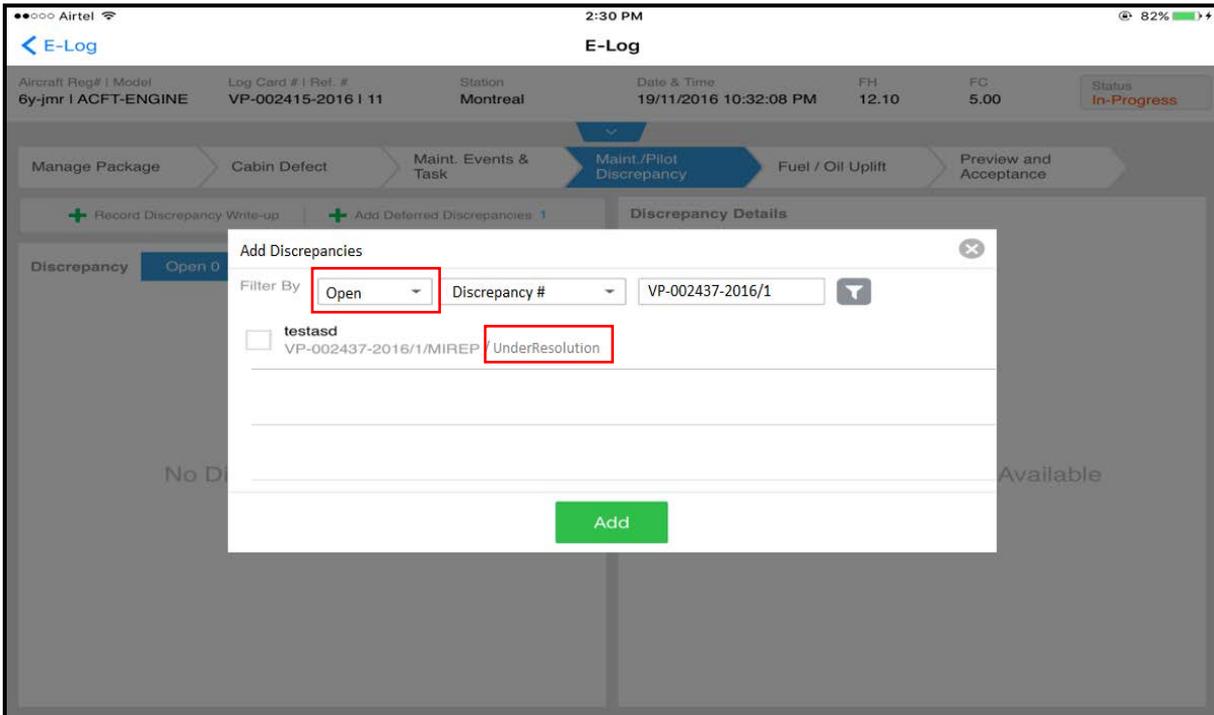


Exhibit 3: The rechristened **Add Discrepancies** pop-up with **Filter By** as **Open**



Ability to enter Execution Comments from Maint. Events & Task tab of E-Log screen

Reference: AHBG-21090

Background

A provision to record **Execution Comments** against a task similar to that available in the **Task Card Details** screen is required in the **Maint. Events & Task** tab in the E-Log screen for easy usability.

Change Details

In the **Maint. Events & Task** tab of the **E-Log** screen, new button **Execution Comments** has been added to facilitate recording of the execution comments against the task. The button displays the count of the execution comments already recorded for the task and on click of the button, the **Execution Comments** popup appears. The popup comprises two input fields **Comments** and **Date and Time** to record the following information:

- **Execution comments** against the task
- **Date and time of entry of Execution comment**

Subsequent to data entry, the user can click the **Add Comment** pushbutton to save the information.

Exhibit 1: The Execution Comments button in the E-Log screen

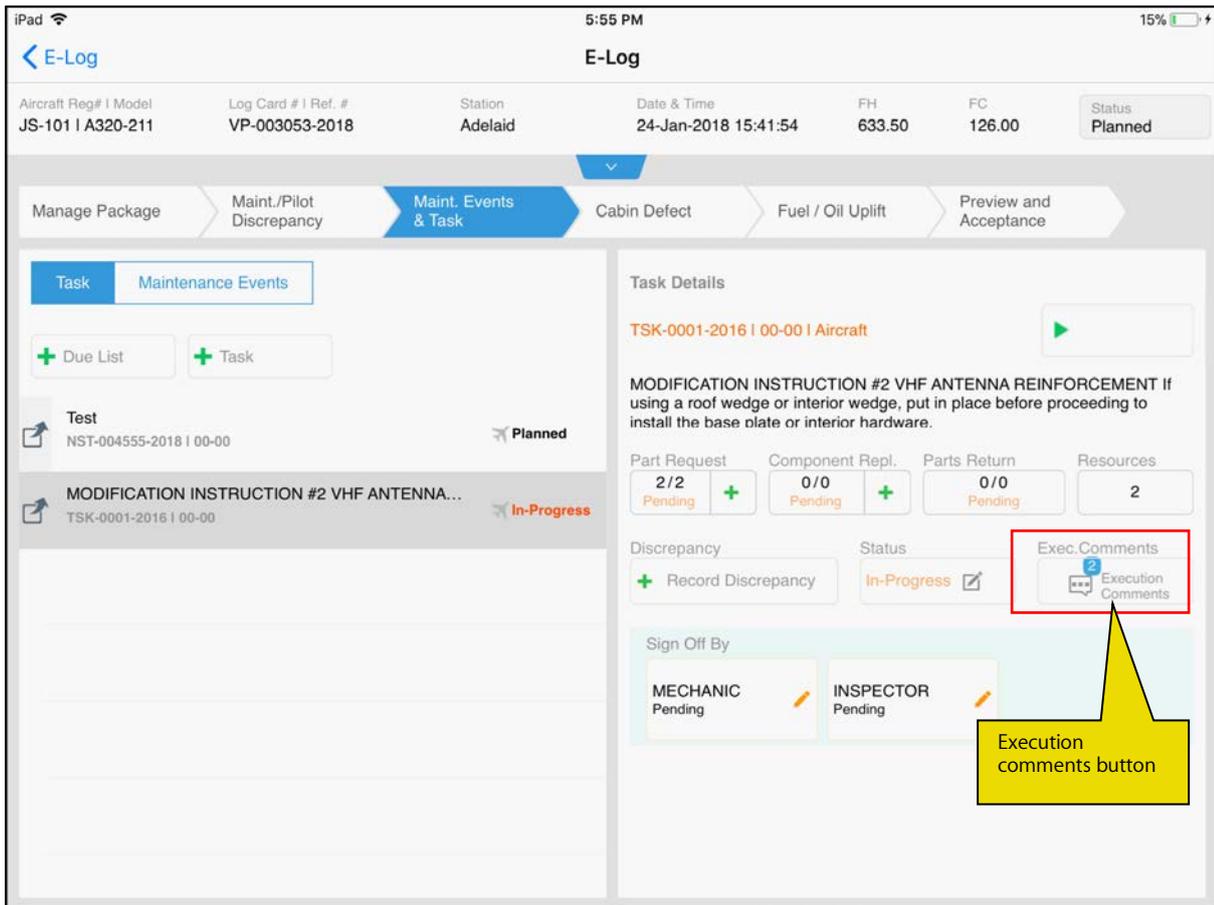
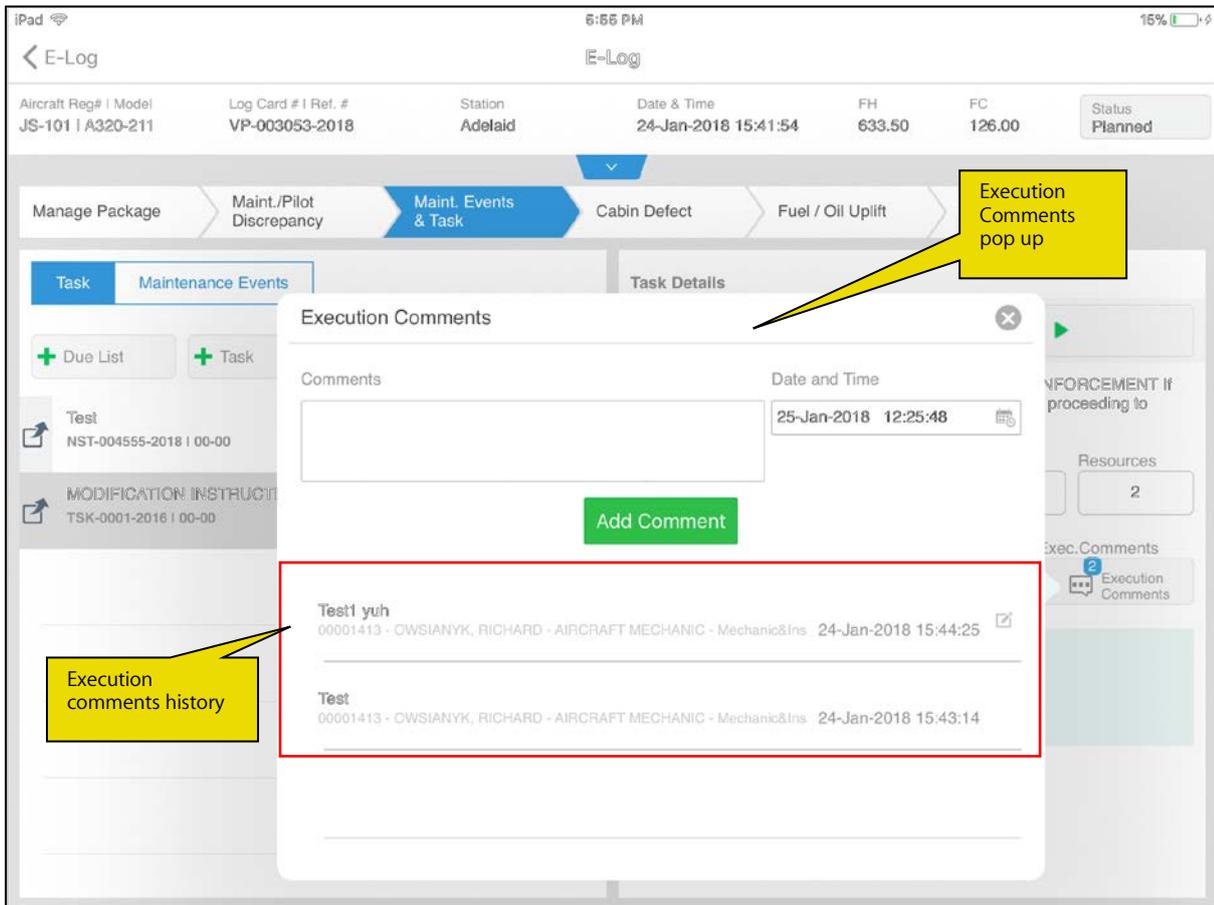


Exhibit 2: The Execution Comments popup in the Maint. Events & Task tab



Ability to edit the existing Corrective Action from Discrepancy Card screen

Reference: AHBG-21088

Background

A provision to modify the corrective action in the **Discrepancy Card** screen of **E-Log** is required to facilitate changes in the corrective action recorded previously against the discrepancy.

Change Details

New **Edit** icon has been added next to **Resolution Details** in the **Discrepancy Card** screen on the click of which the **Edit Discrepancy** popup appears. In this popup, the users can modify the corrective action and discrepancy description. However, the user is allowed to modify corrective action against the discrepancy only if no sign off has happened for the corrective action. If **Mechanic/Inspector/Both** sign off has already happened against the current corrective action, the system does not allow users to modify the corrective action.

Exhibit 1: Change in the Discrepancy Card screen

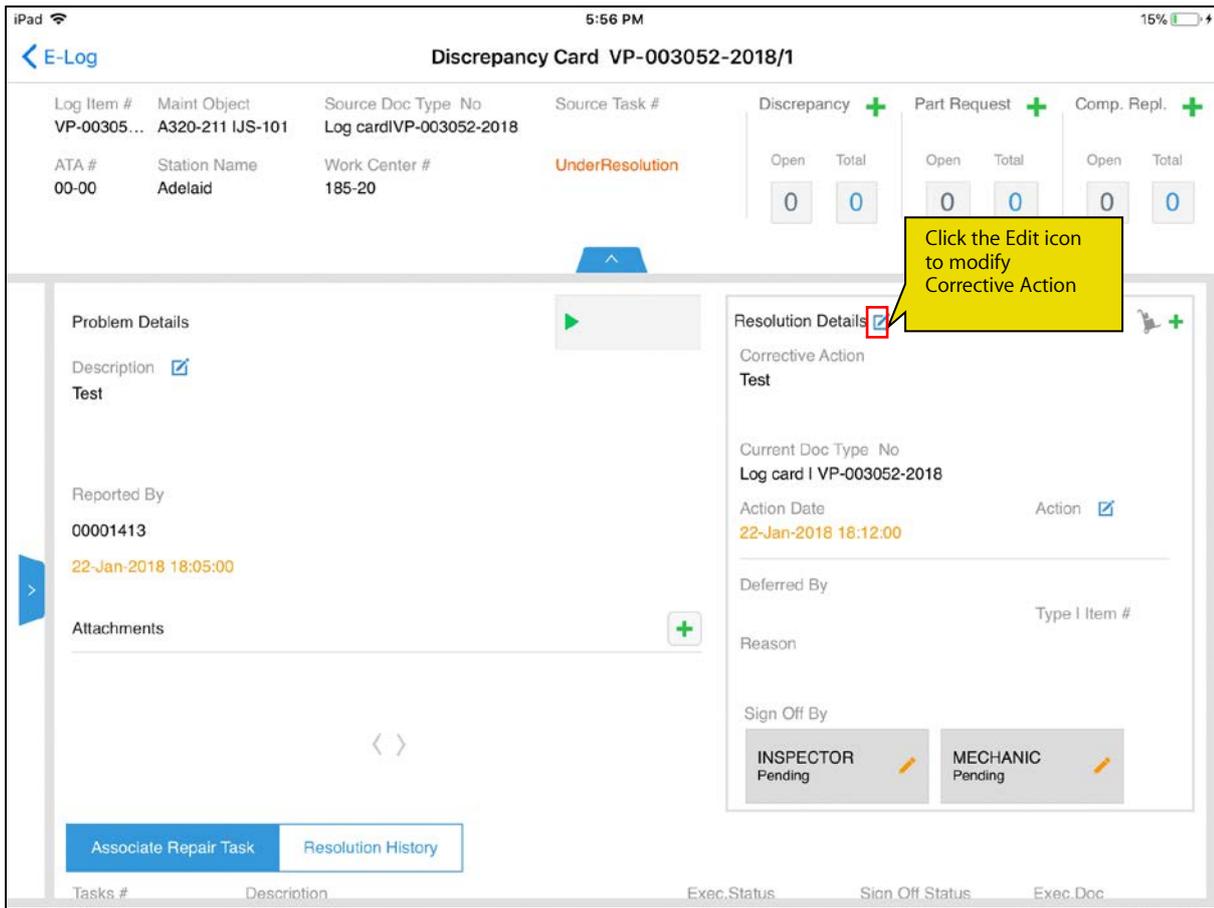
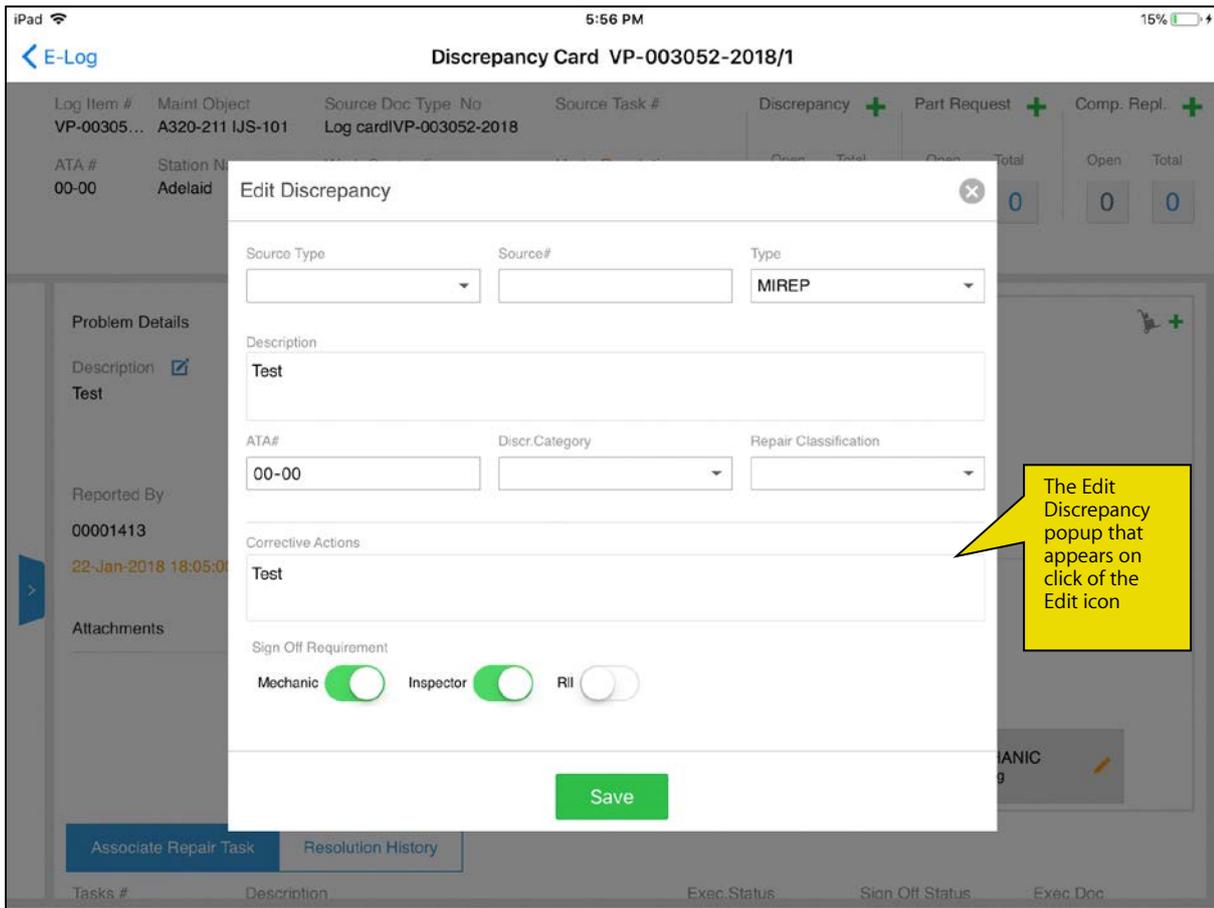


Exhibit 2: Changes in the **Discrepancy Card** screen



Ability to filter, search and sort the tasks in Maint. Events & Task tab of E-Log screen

Reference: AHBG-21782

Background

In reality in MRO organizations, the packages that execute heavy checks on aircraft comprise of more than a hundred tasks. Since the **E-Log** screen has the capability to load all the tasks, the users find it demanding and time consuming to scroll through the lengthy task list to locate specific/desired tasks.

Hence a provision to search for tasks within a package and to sort the retrieved tasks is required to make the task identification speedy for the users. Further, a provision is also required to exclude completed/closed tasks from search since the users may not want to view them.

Change Details

As part of this enhancement, the following have been incorporated in the **Maintain Events & Tasks** tab in the **E-Log** screen:

- Search box to retrieve tasks of the users' choice. Three filters have been provided including Task Description, Task # and ATA # based on which the tasks from the package will be retrieved.
- Toggle button has been added to include/exclude Closed items (tasks which are in Closed or Completed status) from the search. However, the toggle button will not influence the search criteria.
- Sort button to enable users to specify the display order of the retrieved tasks. Users can select from one of the following attributes:
 - Sequence #
 - ATA #
 - Zone
 - Exec. Phase

Exhibit 1: The changes in the **Maintain Events & Tasks** tab in the **E-Log** screen

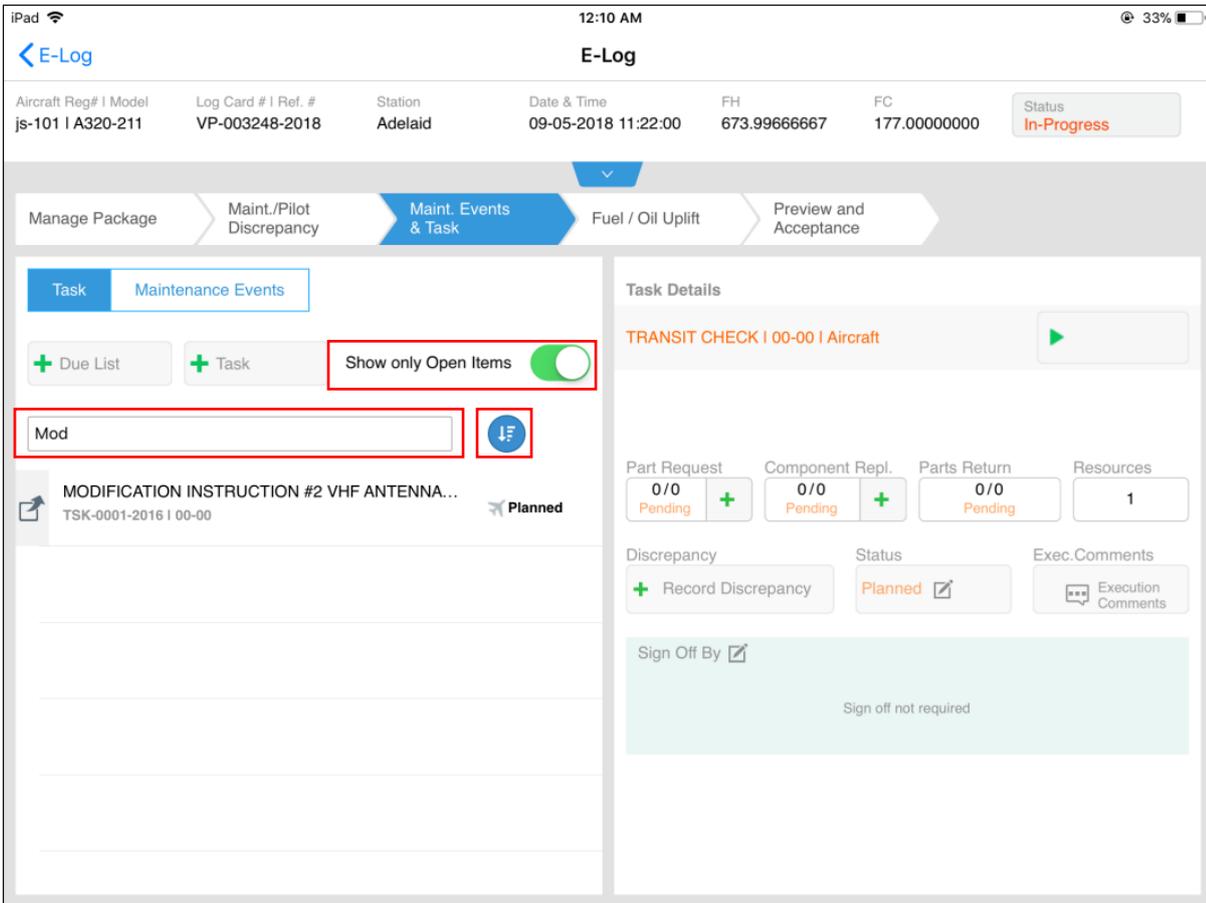
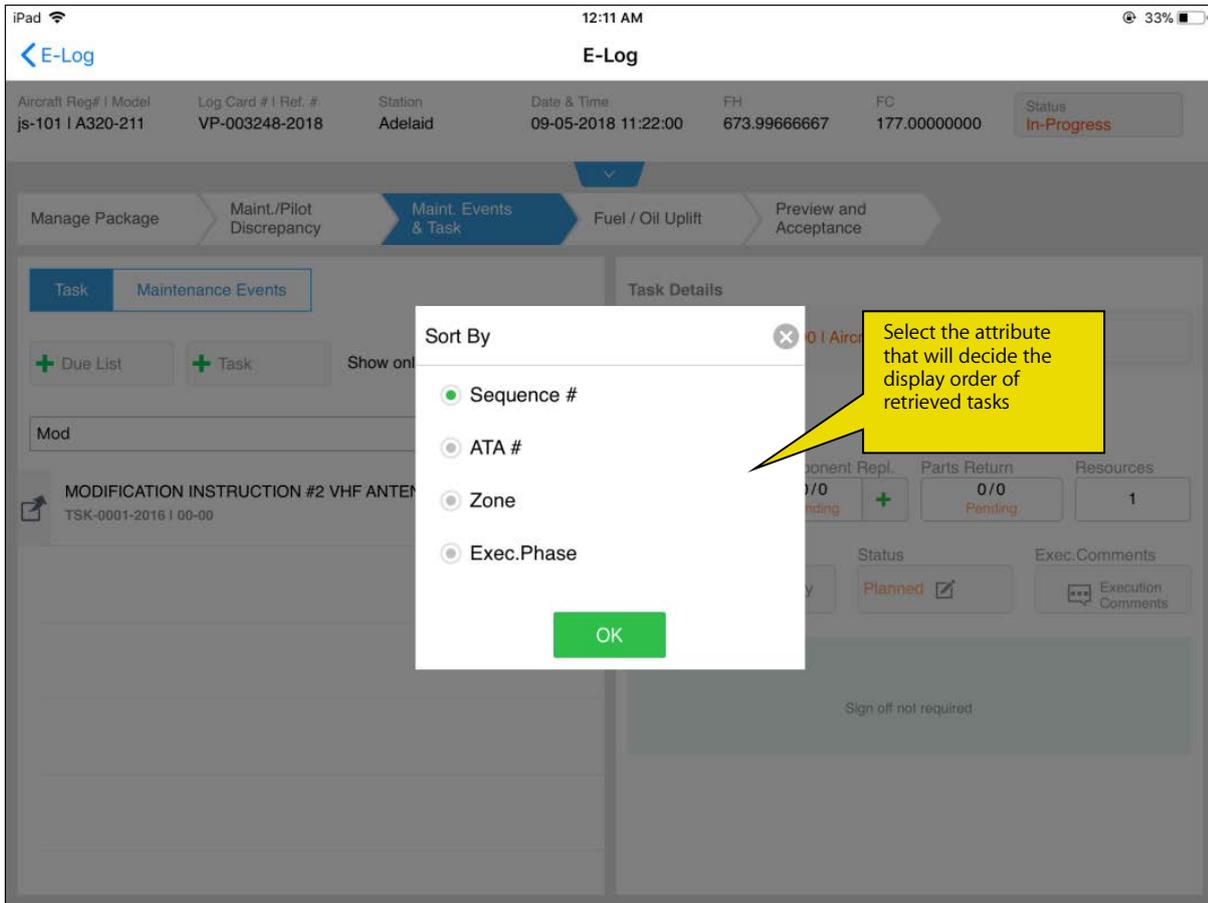


Exhibit 2: The sort option in the **Maintain Events & Tasks** tab in the **E-Log** screen



Ability to identify the Sign Off requirements without entering Corrective Action in MechanicAnywhere

Reference: AHBG-21902

Background

The users in **MechanicAnywhere** become aware of the signoff requirement of a discrepancy only after the corrective action has been specified for the discrepancy. A provision is required to display the signoff requirement even before the corrective action has been specified by the mechanics. This will help mechanics to create discrepancies incidentally found at the time of inspection, which cannot be immediately rectified owing to time constraints.

Change Details

New process parameter ‘Allow Identification of Sign Off Requirement without Corrective Action for Discrepancies?’ defined under the entity type Package Type and the entity All User Defined values including Log Card but excluding "--All Packages--" in the **Define Process Entities** activity of **Common Master** will now determine whether **Corrective Action** for a discrepancy is required to view the Sign off requirement at the time of creation. However, this process parameter works in conjunction with another process parameter “Default Sign-off Requirement for Non Routines” as it handles the Sign Off requirement for package types. The Sign Off requirement toggles will be auto-enabled based on the process parameter in following screens of **MechanicAnywhere**:

- **Record Discrepancy Write Up**
- **Create Discrepancy**
- **New Corrective Action**
- **Edit Discrepancy**

Allow Identification of Sign Off Requirement without Corrective Action for Discrepancies? Value	Default Sign-off Requirement for Non Routines Value	Impact in Discrepancy Write Up, Create Discrepancy and New Corrective Action screens
1 / Allowed	"1" for 'Mechanic','2" for'Inspector','3" for 'Mech. & Insp.'	The Signoff toggle buttons will be auto-enabled on page launch
	0/Not Required	The Signoff toggle buttons will not be auto-enabled on page launch
0/Not Allowed	"1" for 'Mechanic','2" for'Inspector','3" for 'Mech. & Insp.'	The Signoff toggle buttons will not be auto-enabled on page launch
	0/Not Required	The Signoff toggle buttons will not be enabled on page launch



*Note: However, in the **Edit Discrepancy** popup and **New Corrective Action** popup, the **Sign Off Requirement** toggle buttons (Mechanic/ Inspector) will remain selected or deselected as saved at the time of discrepancy creation.*

Exhibit 1: The Discrepancy Writeup screen in MechanicAnywhere

Discrepancy Write Up

Description

Source Type Source Number Type Log Item#

ATA# Reported Date and Time Discr.Category Repair Classification

Corrective Action Action

Sign Off Requirement

Mechanic Inspector RII

Attachments

Part Required

Corrosion Related

Major Item

Repeat

Create Create & SignOff

The toggle buttons are enabled-disabled based on process parameter definition.

Exhibit 2: The Create Discrepancy screen in MechanicAnywhere

iPad 9:50 AM 18%

< Discrepancy Card Create Discrepancy

Type Log Item # ATA # Source # I Type Source Task # Maint. Object

Non-Routine [] 00-00 VP-003009-201 *t/€3 A320-211 I JS

Problem Resolution Details

Description Radio Communication

Reported By Attachments +

00001413

Date & Time 25-Jan-2018 09:50:20

Corrective Action

Action Date & Time 25-Jan-2018 09:50:20

Sign Off Requirement

Mechanic Inspector RII

The toggle buttons are enabled-disabled based on process parameter definition.

Reference Info

Parts Required Corrosion Related

Major Item Repeat

Add Add & Sign Off Clear

Discrepancy List

Ability to capture the Est. Man Hours during Discrepancy creation

Reference: AHBG-21726

Background

A provision is required in the **MechanicAnywhere** mobile application to capture the estimated hours of work required for the closure/resolution of the discrepancy at the time of creation. The estimated hours for a discrepancy is required since in the MRO industry, the mechanics must obtain approval from their supervisors to work on a discrepancy, if the estimated hours is more than eight hours. Additionally, a provision must also be available for users to modify the estimated hours for a discrepancy previously recorded at the time creation.

Change Details

A new input field **Est. Man Hours** has been added in the following screens of MechanicAnywhere to record the required hours of work on the discrepancy

- Discrepancy Write Up
- Create Discrepancy
- Edit Discrepancy

Another new input field **Reported By** has been introduced in the **Discrepancy Write Up** screen to enable users other than the logon user to report discrepancies. In the event of users not specifying the employee ID, the system defaults the field to the login user ID.

Exhibit 1: New fields in the **Discrepancy Write Up** screen in **MechanicAnywhere**

The screenshot displays the 'Discrepancy Write Up' form within the MechanicAnywhere application. The form is overlaid on a background showing a list of aircraft logs. The form fields include:

- Description: A large text input field.
- Source Type: A dropdown menu.
- Source #: A text input field.
- Type: A dropdown menu with 'MIREP' selected.
- Log Item#: A text input field.
- ATA#: A text input field.
- Reported Date & Time: A date and time picker showing '11/15/2017 - 12:30'.
- Discr. Category: A dropdown menu.
- Repair Classification: A dropdown menu.
- Est. Man Hours: A text input field containing '1', highlighted with a red box.
- Reported By: A text input field, also highlighted with a red box.
- Corrective Action: A text input field.
- Action: A dropdown menu.
- Sign Off Requirement: Three toggle switches for 'Mechanic', 'Inspector', and 'RII', all currently turned off.
- Attachments: A section with a '+' icon and a '< >' indicator.
- Part Required: A toggle switch, currently off.
- Corrosion Related: A toggle switch, currently off.
- Major Item: A toggle switch, currently off.
- Repeat: A toggle switch, currently off.

At the bottom of the form, there are two green buttons: 'Create' and 'Create & Sign off'.

Exhibit 2: New field in the **Create Discrepancy** screen in **MechanicAnywhere**

Create Discrepancy

Type: Noe-Routine | Log Item #: | ATA #: 00-00 | Source # | Type: VP-00300-201 | Source Task #: VI-0934 | Main. Opbect: A320-2019

Problem

Description:

Radio Communication:

Reported By: | Date & Time: 11/15/2017 - 12:30 | **Est. Man Hours: 1**

Attachments:

Resolution Details

Corrective Action:

Action: | Date & Time: 11/15/2017 - 12:30

Sign Off Requirement:

Mechanic | Inspector | RII

Reference Info.

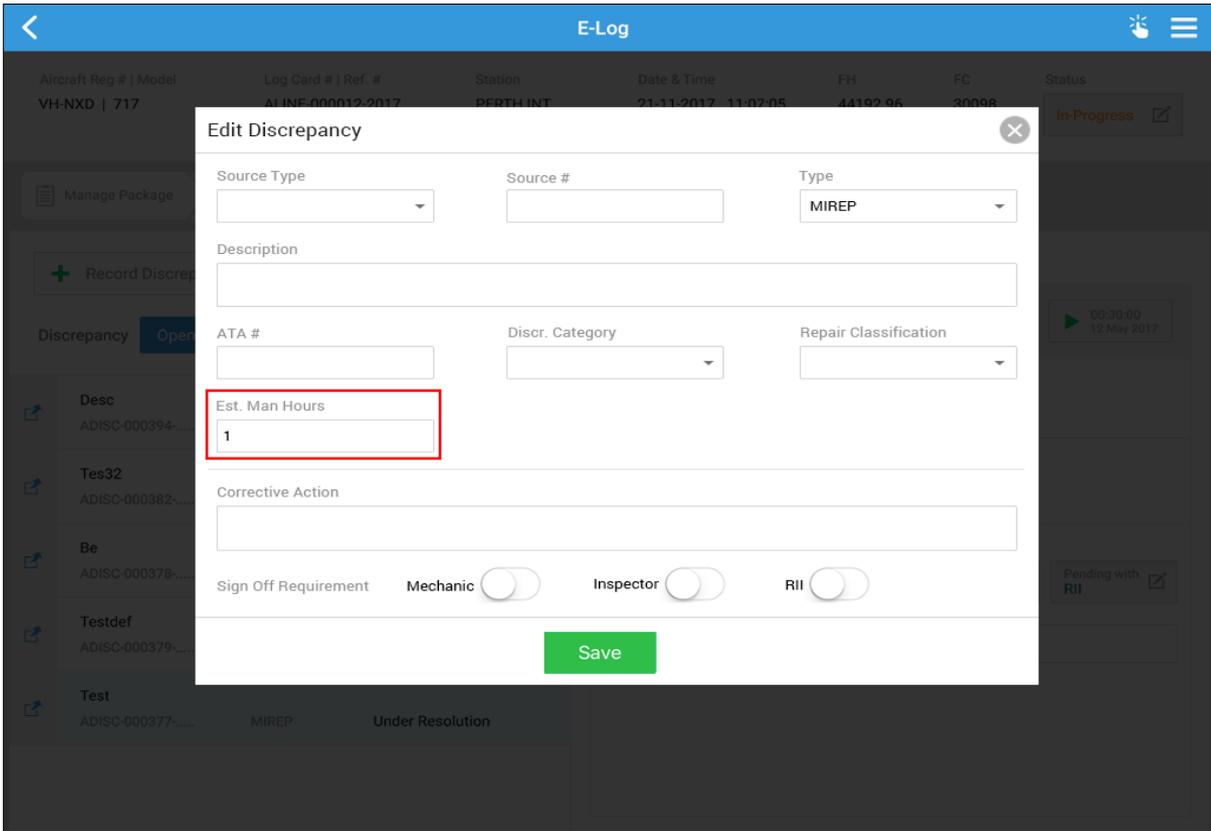
Part Required | Corrosion Related

Major Item | Repeat

Add **Add & Sign Off** Clear

Discrepancy List

Exhibit 3: New field in the **Edit Discrepancy** screen in **MechanicAnywhere**



Ability to defer a discrepancy from Discrepancy Write-up screen

Reference: AHBG-15390

Background

Discrepancies are maintenance requirements that may or may not affect the airworthiness of the aircraft. In real time scenario, if a reported discrepancy cannot be resolved before the next flight and if it will not affect the aircraft operations, a mechanic defers such a discrepancy at the time of creation itself. Though, a provision to create discrepancies in the shortest time exists in the **MechanicAnywhere** mobile application, the facility to defer a discrepancy at the same time as creation remains to be built into the system.

Change Details

- To enable mechanics to defer a discrepancy at the time of creation, the **Defer** option has been added in the **Action** drop-down list box of the **Discrepancy Write Up** pop up.
- New section **Defer By** has been added to enable users to record deferral limits to the discrepancy to be deferred.
- The **Defer By** section appears only on the selection of **Defer** as the action for the discrepancy.
- Deferral details including the following can be recorded by users in the **Defer By** section.
 - FC
 - FH
 - Calendar
 - Other Parameters
 - Reason
 - Type & Item #
 - Authorization #
- On tap of the **Create & Sign Off** button, the **E-Sign Off** page appears and the users can sign off the deferral of the discrepancy. A discrepancy is created in the "Deferred" status.

Exhibit 1: The **Defer** action in the **Discrepancy Write Up** screen

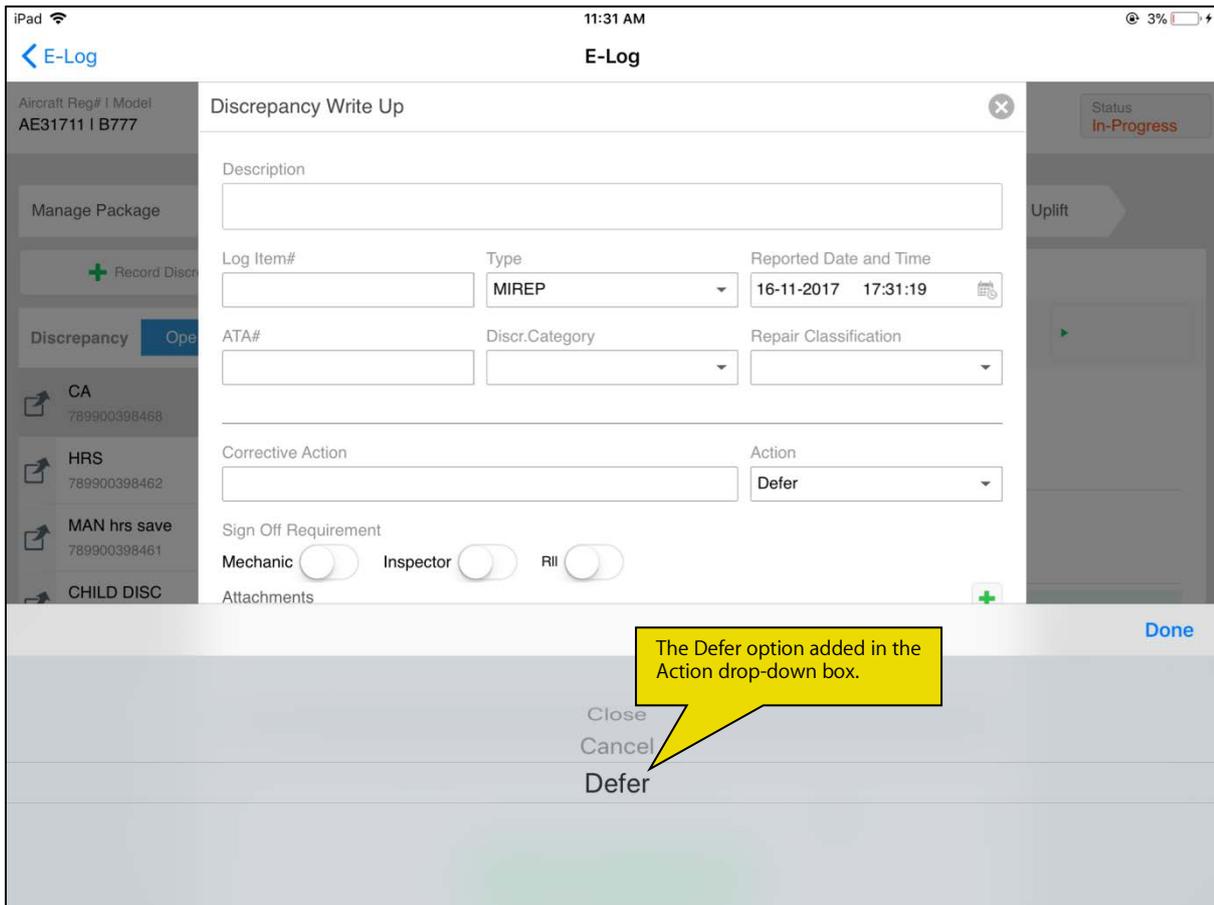


Exhibit 2: The Discrepancy Write Up screen in E-Log

Discrepancy Write Up

ATA# Discr. Category Repair Classification

Corrective Action Action

Sign Off Requirement
Mechanic Inspector All

Attachments

Defer By

FH FC Calendar Days

Other Parameters Reason

Type & Item# Authorization #

The Defer By section to record deferral details for the discrepancy.

Ability to Create and Sign Off Discrepancy together in Discrepancy Write Up screen

Reference: AHBG-15426

Background

Discrepancies reported against aircraft require sign off from mechanics and/or inspectors with specific certified skills. Normally as a work practice, these discrepancies are created and signed off in one go so as to fast track the process. In the **MechanicAnywhere** mobility application, a provision to create & sign off a discrepancy at the same time is the business need of the hour.

Change Details

To enable Mechanics and Inspectors to perform discrepancy creation and sign off simultaneously, the **Create & Sign Off** button has been introduced in the **Record Discrepancy Write Up** pop up of **E-Log**.

- On tap of the **Create & Sign Off** button for **Corrective Action** (mandatory) with the Sign off requirement 'Pending Mechanic', the **E-Sign Off** pop up appears. The **Mechanic** field is defaulted with the employee code of the mechanic.
- On tap of the **Create & Sign Off** button for **Corrective Action** (mandatory) with the Sign off requirement 'Pending Inspector', the **E-Sign Off** pop up appears. The **Inspector** field is defaulted with the employee code of the inspector.
- On tap of the **Create & Sign Off** button for **Corrective Action** (mandatory) with the Sign off requirement 'Pending Mechanic & Inspector', the **E-Sign Off** pop up appears. The **Mechanic** field is defaulted with the employee code of the mechanic.
- On tap of the **Create & Sign Off** button, if Sign off requirement is set/derived as "Not Required", the **E-Sign Off** pop up does not appear nevertheless the discrepancy is created successfully.

Exhibit 1: The Discrepancy Write Up pop up in E-Log

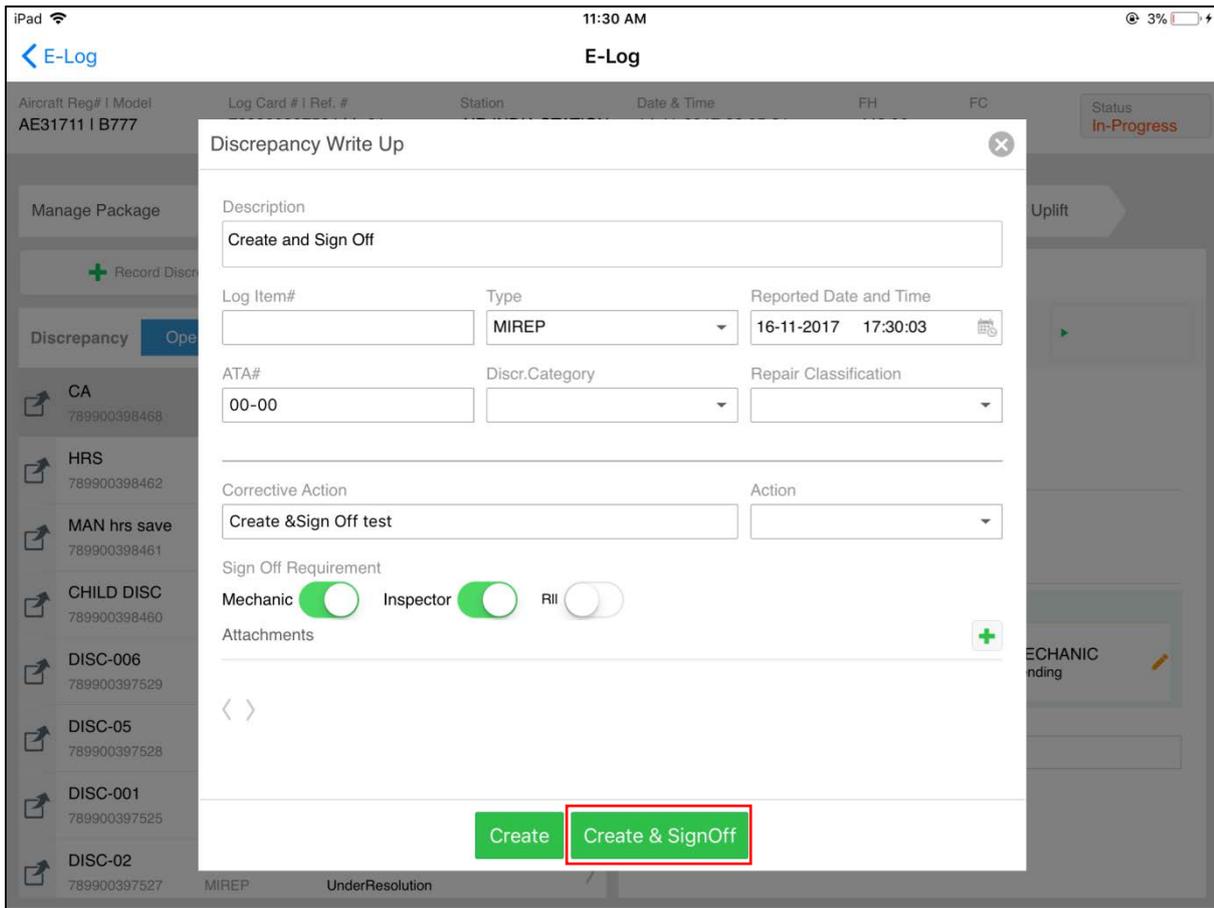
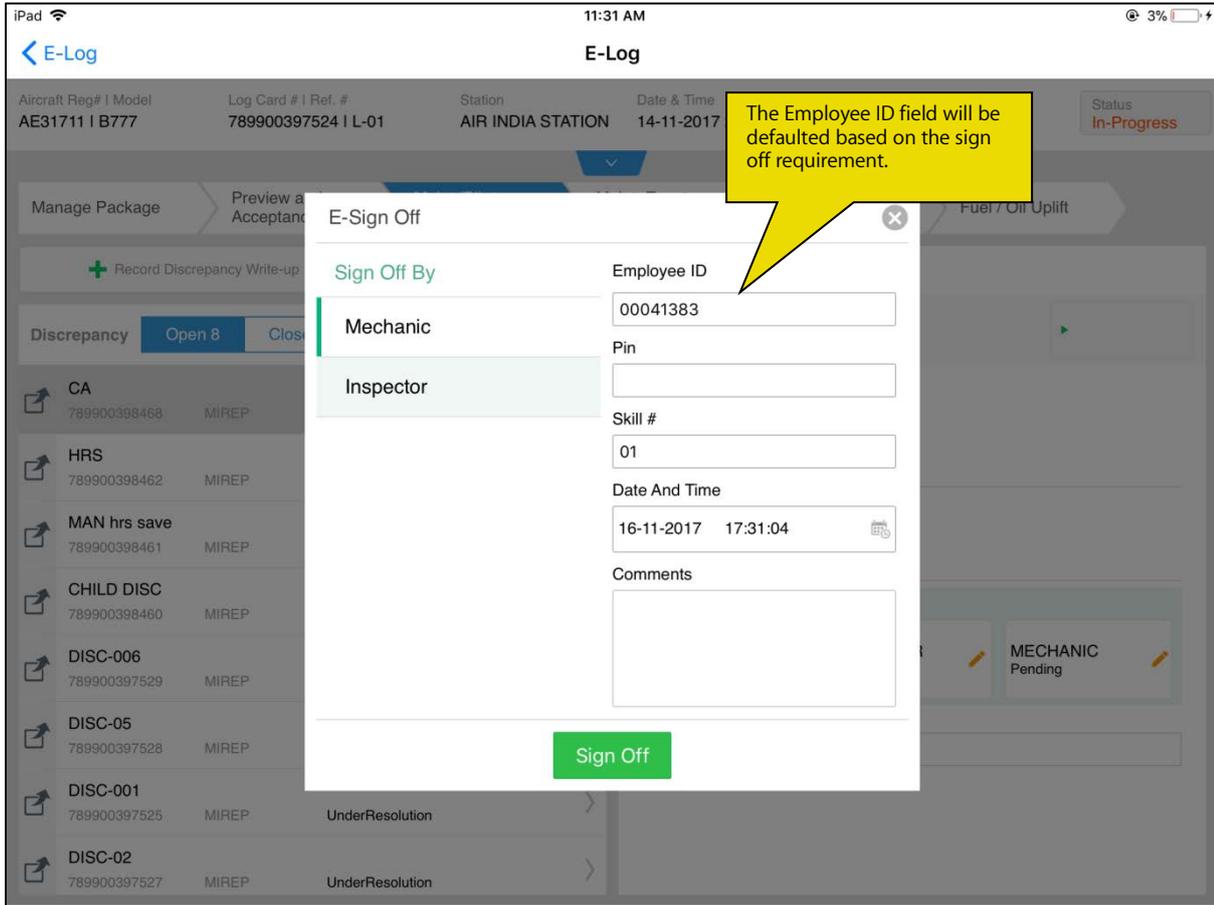


Exhibit 2: The E-Sign Off popup in the Discrepancy Write Up popup



Ability to perform Employee Time Booking automatically based on Task Actuals during Task Completion

Reference: AHBG-20217

Background

In certain Aircraft Maintenance scenarios, a single employee is assigned a task in a package and the employee individually works and completes the task. In such circumstances, it would be beneficial for the employees to manually book their timesheets at the time of completion of the task. However, presently, only direct timesheet booking is possible in MechanicAnywhere/Ramco Aviation and this mechanism is ideal for tasks on which multiple employees contribute their time/skills.

Change Details

Typically, the employees start and stop clocks to record timesheet indicating their contribution to the execution of a task in a package. On completion, the system based on the hours clocked on the task derives the actual man hours for the task as well as for the individual employees.

Onwards, to cater to a situation in which an employee takes up the execution of the task exclusively, the system will take into consideration the following details of a task (as recorded by employees) to enable automatic timesheet booking instead of the running clocks for a single employee – task combination in **MechanicAnywhere, Work Reporting Hub** and **Aircraft Maintenance Execution**.

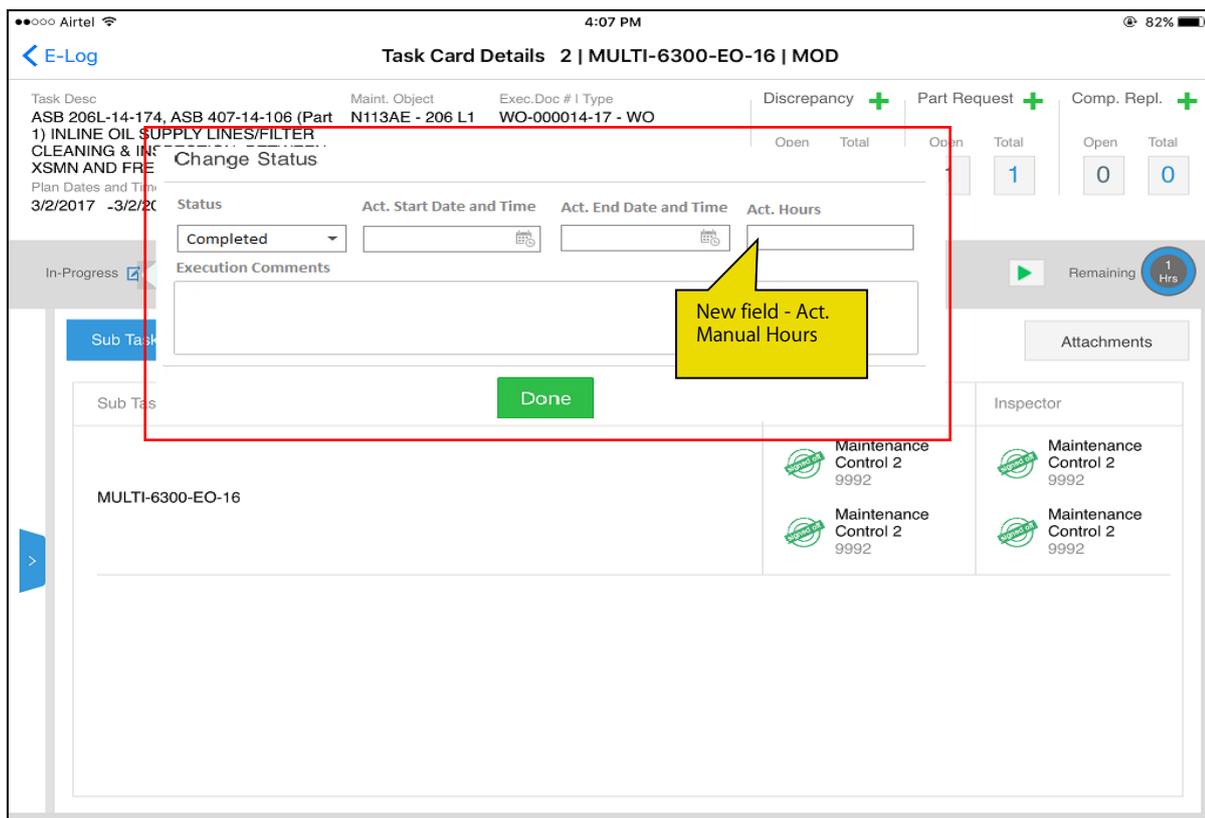
- Actual Start Date and Time
- Actual End Date and Time
- Actual Man Hours

To facilitate manual timesheet booking in **MechanicAnywhere**, new input field **Act. Man Hours** has been added in the **Change Status** pop up in the **Task Card Details** screen of **E-Log**.

However, the manual timesheet booking for a task on completion by employees is influenced by the process parameter 'Automatically book Timesheet for Employees completing Tasks using the Task's Actual Hours?' added under the entity type Package Type and the entity "- User Defined Values -" in the **Define Process Entities** activity of **Common Master**. The table shown next illustrates the workability of the process parameter.

Process parameter value	Impact on timesheet booking on completion of task from package
0/Not Required	Direct timesheet booking based on clocks only possible.
1/Consider Act. Start Date & Time and Act. End Date & Time	The system considers Act. Start Date and Time as Start Time of the Timesheet entry and Act. End Date and Time as End of the Timesheet entry for the task and derives Act. Man Hours for the employee. Act. Man Hours = Act. Start Date and Time – Act. End Date and Time
2/Consider Act. Start Date & Time and Act. Hours	The system considers Act. Start Date and Time as Start Time of the Timesheet entry and then derives the End of the Timesheet entry for the task in the following way: End Date of the Timesheet entry = Act. Start Date and Time + Act. Man Hours)
3/(Consider Act. End Date & Time and Act. Hours	The system considers Actual End Date and Time as End Time of the Timesheet entry for the task and derives Actual Start Date and Time in the following way: Act. Start Date and Time = Act. End Date & Time – Act. Man Hours)

Exhibit 1: The E-Log screen in **MechanicAnywhere** mobile app



Ability to end all clocks and also to record employee timesheet from MechanicAnywhere

Reference: AHBG-22337

Background

Currently in **MechanicAnywhere**, the users can stop the running clock of tasks/discrepancies individually but not collectively. To stop running clocks of multiple tasks and discrepancies, the user has to tediously access each task/discrepancy and then stop the clock. A provision is required whereby a single action can stop the running clocks of all tasks/discrepancies started by a user.

In many MROs, the timesheet entries of employees are utilized for job costing and payroll. Hence a provision for employees to enter/edit timesheet entries manually would facilitate the straight through processing of job costing and payroll.

Change Details

A new button **End All Clocks** has been added in the **eLog** screen to stop the running clocks of all the tasks/discrepancies inside/across packages started by an employee. However, a new process parameter 'End all running clocks for login user inside/across package(s) in Mechanic Anywhere?' under the entity type 'Package Type' and the entity 'All Packages' has been added in the in the **'Define Process Entities'** activity of the **Common Master** business component to ascertain the clocks that must be closed. Based on the value for the process parameter, the system ends the clocks of tasks/discrepancies started by the users.

Process parameter value	Impact on running clocks
0/Inside Package	Stops all the running clocks associated with the login user inside the current package/execution document
1/Across Packages	Stops all the running clocks associated with the login user across packages

A new left pane activity **Record Timesheet** has been introduced to enable employees to create and manage timesheets. . Additionally, the new **Record Timesheet** page can also be accessed from the following screens by new link **Record Timesheet**.

- E-Log
- Task Card Details
- Discrepancy Card

To view/modify/delete specific timesheets, the users can provide search criteria to retrieve the timesheet they wish to work with.

Exhibit 1: The new buttons in the E-Log screen

The screenshot displays the E-Log interface. At the top, flight information is shown: Aircraft Reg # | Model (VH-NXD | 717), Log Card # | Ref. # (ALINE-000012-2017), Station (PERTH INT), Date & Time (21-11-2017 11:07:05), FH (44192.96), and FC (30098). The status is 'In-Progress'. A 'Flight Code' field is empty, and an 'Attachments' section is visible. Two buttons are highlighted with red boxes: 'End All Clocks' and 'Record Timesheet'. Below this is a navigation bar with 'Manage Package', 'Maintain Events & Task', and 'Maintain / Pilot Discrepancy'. The main area shows discrepancy management options: '+ Record Discrepancy Write-up' and '+ Add Discrepancy 0'. A summary shows 'Discrepancy Open 05', 'Closed 04', and 'Deferred 05'. A table lists discrepancies with columns for description, MIREP, and status (all 'Under Resolution'). The right panel shows 'Discrepancy Details' for ADISC-000377-2018, including a description of 'Test', a 'Corrective Action 01' of 'Test', and 'Sign Off By' options: 'Under Resolution', 'Pending with Mechanic', 'Pending with Inspector', and 'Pending with RII'. An 'Additional Actions' section is also present.

Exhibit 2: The new button in the Task Card Details screen

Task Card Details 2 | TKS-7585-0001 | VISUAL INSPECTION
🔍 ☰

Task Desc. Flight Component Security Door	Maint. Object ATA348-A320	Exec.Doc # Type LN-204-2015 Line Package		Discrepancy +	Part Request +	Comp. Repl. +
Plan Dates and Time 05/21/2015 - 24/05/2015 14:23:21 14:23:21	CO# CO-0012-2015	Customer # - Name Air India - AI09823		Open Total 06 15	Open Total 06 15	Open Total 06 15

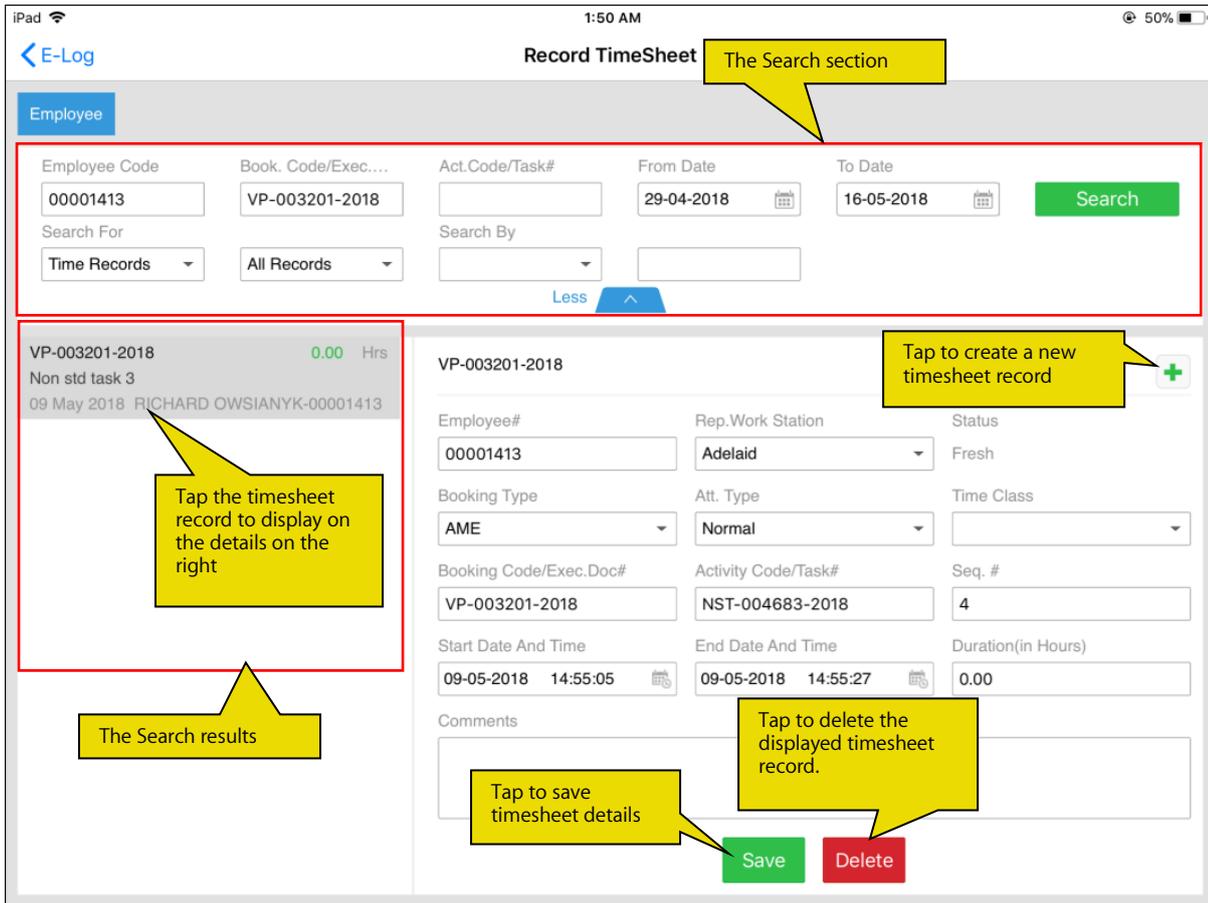
[More ▾](#)

In Progress
Sign off Requirement
Pending with Mechanic
10 Execution Comments
Parameter Recording 02/08 Pending
Estimation Status Pending
00:30:00 12 May 2015
Remaining 10.5 Hrs

Sub Task
Task Instructions
Resolution History
Attachments
Record Timesheet

Sub Tasks	Mechanic	Inspector
Clean the area	N/A	N/A
All the fuel tanks you go to intro, or are adjacent to are dry and continuously ventilated with clean filtered air	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; gap: 5px;"> Adams EMP ID 00372 </div> <div style="margin-top: 5px; border: 1px solid #ccc; padding: 2px 10px; background-color: #f0f0f0;">AME</div> </div>	<div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0; width: 80px; margin: 0 auto;">Avionics</div>
The fuel tanks are free from unwanted material or contamination	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; gap: 5px; margin-bottom: 5px;"> Edwards EMP ID 00300 </div> <div style="display: flex; align-items: center; gap: 5px;"> Smith EMP ID 00300 </div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; gap: 5px; margin-bottom: 5px;"> William EMP ID 07553 </div> <div style="display: flex; align-items: center; gap: 5px;"> William EMP ID 07553 </div> </div>

Exhibit 3: The new Record Timesheet screen



Ability to Limit Same Employee from Signing off as Mechanic/Inspector and RII

Reference: AHBG-21723

Background

As per specific Air Travel regulatory requirement, there are tasks (both Aircraft and Component) requiring independent inspection and hence must be signed off by RII. Further, the regulatory agencies do not allow for the same employee to execute both RII sign off and Mechanic/Inspector sign off of a task/discrepancy. In **MechanicAnywhere**, a provision for exclusive RII sign off by employees must be provided for tasks/discrepancies.

Change Details

As part of this enhancement, the following have been incorporated in **Common Master**:

- New process parameter ‘Allow signed off Mechanic/Inspector to sign off as RII for same Task/Discrepancy?’ added under the entity type Package Type and the entity Log Card and All-User-Defined package types to allow / disallow an employee from signing off as RII and Mechanic/Inspector for the same task/discrepancy.

Table 1:

Process parameter	Value	Impact on sign off
Allow signed off Mechanic/Inspector to sign off as RII for same Task/Discrepancy?	1	An employee can sign off as both RII and Mechanic/Inspector for the same task/discrepancy
	0	The employee signing off as Mechanic/Inspector cannot sign off as RII for the same task/discrepancy (meaning different employees must perform RII and Mechanic/Inspector sign off)

- New process parameter ‘Allow signed off Mechanic/Inspector to sign off as RII for same Task/Discrepancy?’ added under the entity Shop Work Order Type, and the entity All User-Defined work order types

Table 2:

Process parameter	Value	Impact on sign off
Allow signed off Mechanic/Inspector to sign off as RII for same Task/Discrepancy?	1	An employee can sign off as both RII and Mechanic/Inspector for the same component task/discrepancy
	0	The employee signing off as Mechanic/Inspector cannot sign off as RII for the same task/discrepancy (meaning different employees must perform RII and Mechanic/Inspector sign off)

As part of this enhancement, the following has been incorporated in **MechanicAnywhere**

- The unique employee RII Sign off will be implemented depending on the value set for the process parameter 'Allow signed off Mechanic/Inspector to sign off as RII for same Task/Discrepancy?' in the following pop up in the MechanicAnywhere application::
 - E-Sign Off

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

Reference: AHBG-21014

Background

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

Change Details

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

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

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

- Record Aircraft Maintenance Execution Details
- Record Sign-Off & Work Completion

-
- Work Reporting Hub
 - MechanicAnywhere

Ability to Display App Version # in Hamburger menu

Reference: AHBG-13312

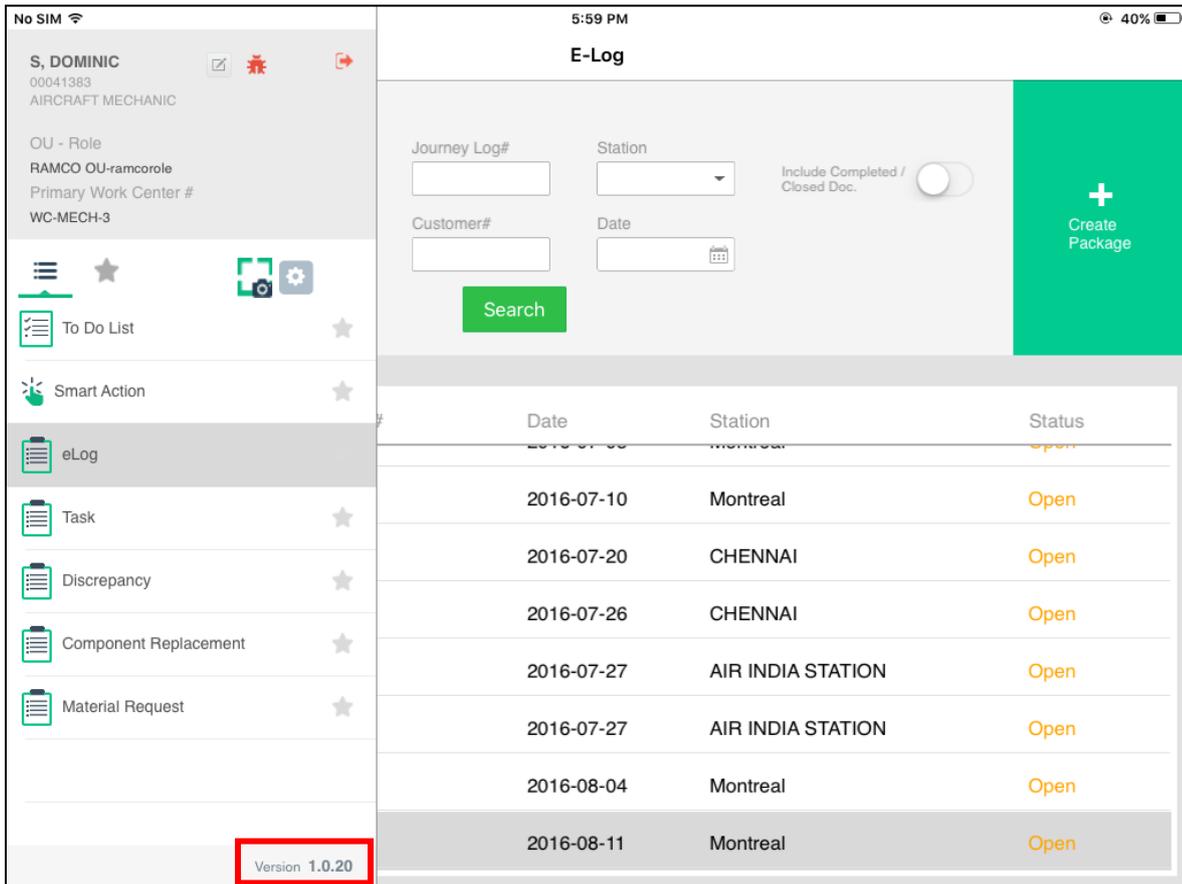
Background

The display of App version # in Mobility Apps can help user ensure that they are working with the latest version. This 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 #.

Exhibit 1: App Version # in Hamburger menu



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

Ability to Print Return Document from Mechanic Anywhere

Reference: AHBG-11903

Background

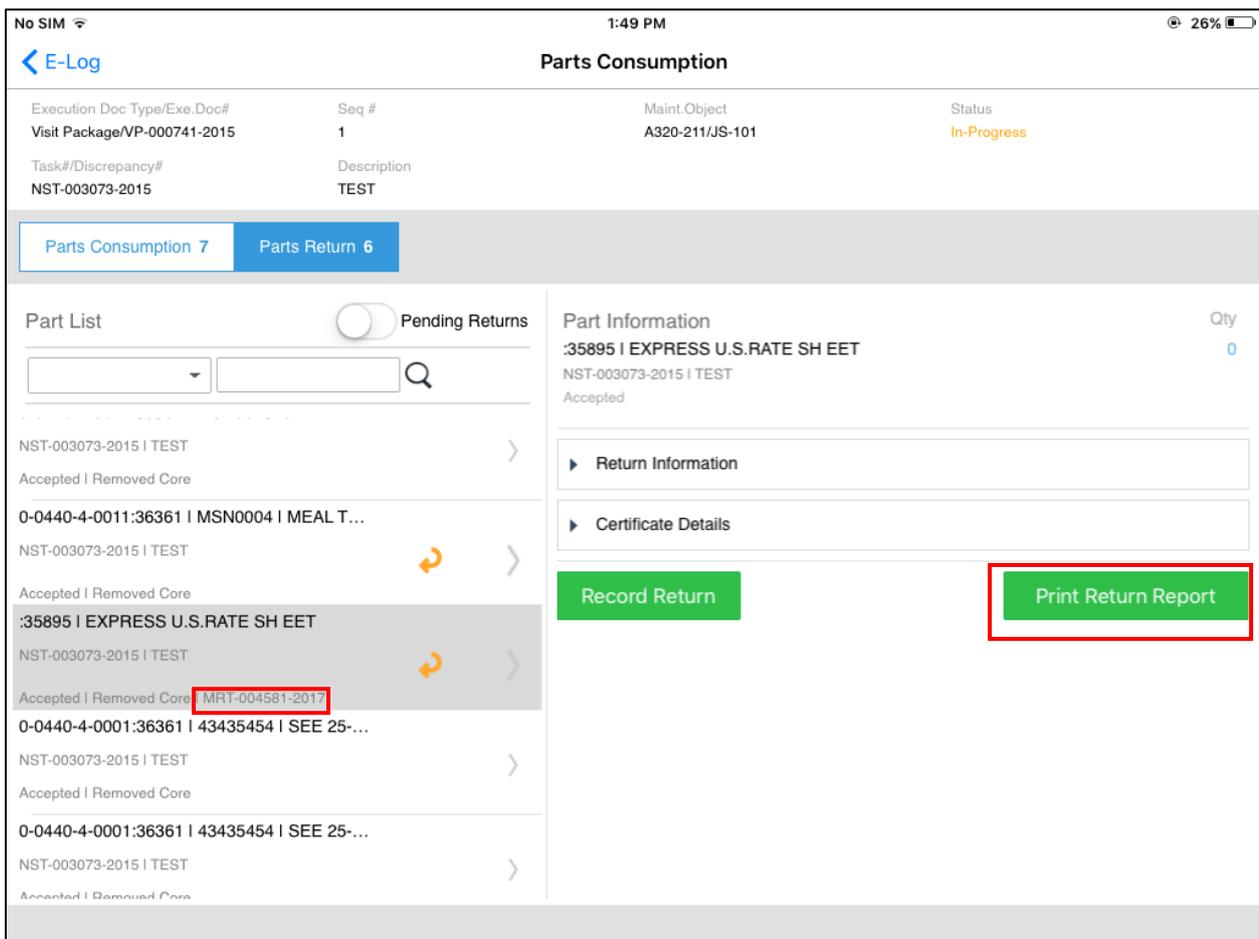
The enhancement brings the ability to generate Return Document from MechanicAnywhere once part returns are recorded.

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



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**.



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

Ability to View sign off summary detail/Report

Reference: AHBG-22555

Background

In **MechanicAnywhere** mobile application, the technicians perform electronic sign off using augmented eWorkcard (in PDF format). Further, details of discrepancies, removed and installed parts are also recorded in MechanicAnywhere. All this vital information, if available in the form of Work Actuals report could be utilized for enhancing productivity and also to address statutory requirements. A provision is required to view task, discrepancy and component replacement information in **MechanicAnywhere** in the form of reports.

Change Details

In the **MechanicAnywhere** application, the users will now be able to

- Perform electronic sign-off in PDF forms
- Reverse sign-off in PDF forms
- Record parameter readings into PDFs
- Provide sign-off comments
- View sign-off details (Note: The users have to launch the **ePubs** application to view sign off details)
- Once sign-off is completed in PDF form, the same can be viewed as an attachment in the Work Actual Report from;
 - The **View Exe. Ref #** screen in **Flight Log** for AME packages
 - The **Review Work Execution** screen of **Shop Work Order** for shop work orders

Exhibit 1: The Task Instruction – Form in **Task Card Details** page of **MechanicAnywhere** facilitates electronic sign-off

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31%

[E-Log](#)
Task Card Details 1 | TRANSIT CHECK | MPD

In-Progress
Signed off
Execution Comments
Estimation Status
Not Required
Part Consumption & Return
00:00:07
Remaining **1** Hrs

Sub Task
Task Instruction
Task Instruction - Form

Attachments **4**

TASK	TITLE	APPLICABILITY	
SVC / CHK	Pre-Flight Check	AIRPLANE A319 A320	ENGINE 56-5B
<p>NOTE: To be performed after "A" Check or 36 Hours Check or 8 Days check prior to next flight.</p> <p>Fuselage, Wings and Empennage</p> <ol style="list-style-type: none"> 1. Perform general visual inspection of exterior surface of fuselage (360°) for condition and obvious damage. 2. Check navigation, strobe, anti-collision and landing lights for obvious damage. 3. Visually check the crew oxygen system thermal discharge indicators are not ruptured. <p>Fuel</p> <ol style="list-style-type: none"> 1. Prior to refueling, carry out the refuel panel "LIGHT and HI LEVEL" test using the test switches (Task 12-11-28-740-050). 2. Ensure the presence of trolley type fire extinguisher during fuelling 3. After refueling ensure all filler caps are refitted and magnetic level indicators locked, refuel master switch in "OFF" position and panels are secured. 4. Visually check fuel vent outlets for obstructions. <p>Miscellaneous</p> <ol style="list-style-type: none"> 1. After water servicing ensures caps are fitted and panels are secured. 2. After toilet servicing ensure caps are fitted and panels are secured. <p>Final</p> <ol style="list-style-type: none"> 1. Ensure Aircraft Maintenance Log Book, Cabin Log Book and maintenance work sheets are reviewed 		<p style="text-align: center; font-size: 8px;">MECHANIC</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; margin-right: 5px;">CAL 10-75 1000007</div> <div style="border: 1px dashed red; width: 20px; height: 20px; margin-right: 5px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; margin-right: 5px;">CAL 10-75 1000007</div> <div style="border: 1px dashed red; width: 20px; height: 20px; margin-right: 5px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input checked="" type="checkbox"/> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input checked="" type="checkbox"/> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/> </div> </div>	

SignOff

Exhibit 2: The E-Sign Off popup

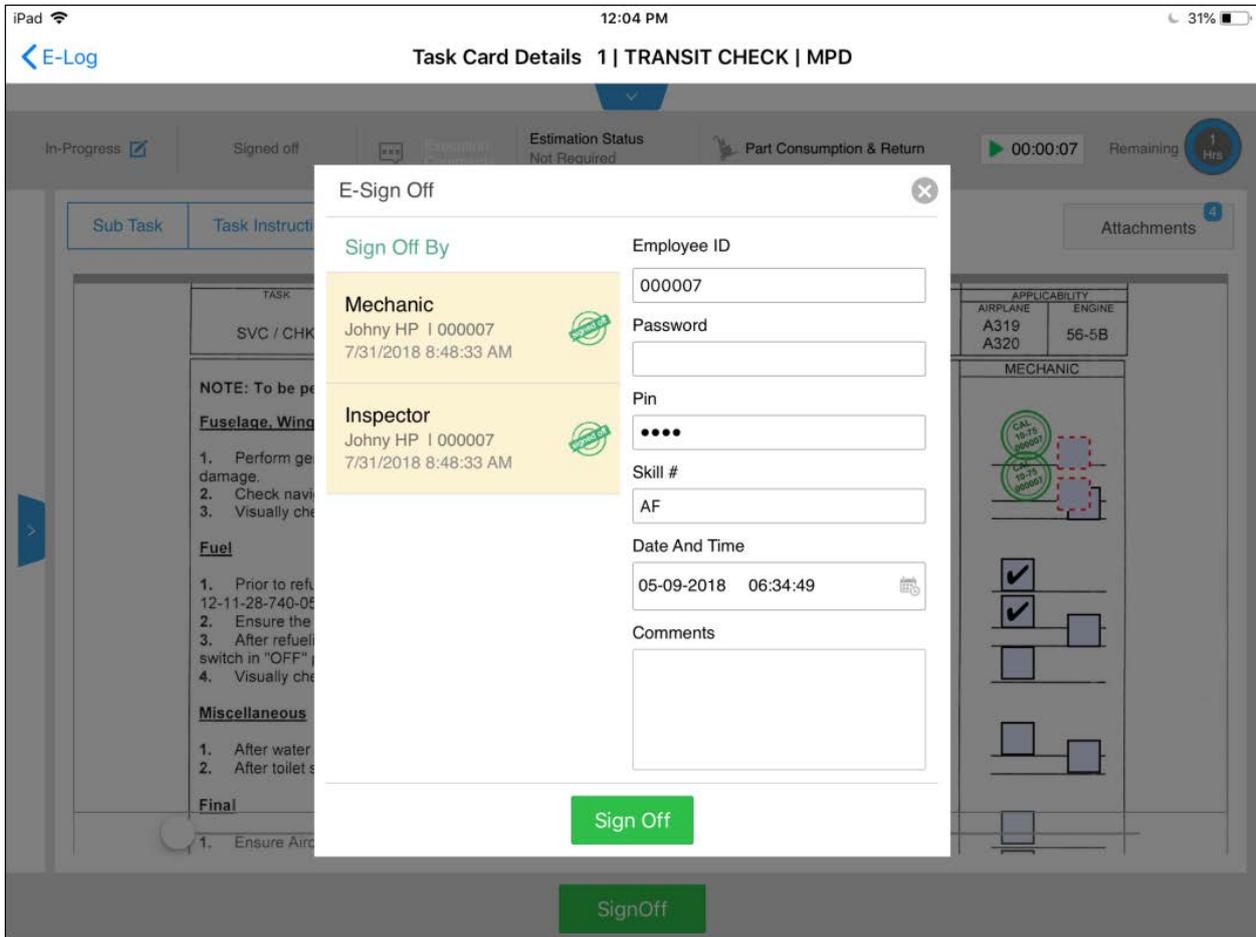


Exhibit 3: Facilitates Mechanic Sign-Off, Inspector Sign-off, Reject Sign-off functions

iPad
12:05 PM
30%

[E-Log](#)
Task Card Details 1 | TRANSIT CHECK | MPD

In-Progress
Signed off
Execution Comments
Estimation Status
Not Required
Part Consumption & Return
00:00:07
Remaining 1 Hrs

Sub Task
Task Instruction
Task Instruction - Form
Attachments 4

TASK	TITLE	APPLICABILITY	
SVC / CHK	Pre-Flight Check	AIRPLANE A319 A320	ENGINE 56-5B
<p>NOTE: To be performed after "A" Check or 36 Hours Check or 8 Days check prior to next flight.</p> <p>Fuselage, Wings and Empennage</p> <ol style="list-style-type: none"> Perform general visual inspection of exterior surface of fuselage (360") for condition and obvious damage. Check navigation, strobe, anti-collision and landing lights for obvious damage. Visually check the crew oxygen system thermal discharge indicators are not ruptured. <p>Fuel</p> <ol style="list-style-type: none"> Prior to refueling, carry out the refuel panel "LIGHT and HI LEVEL" test using the test switches (Task 12-11-28-740-050). Ensure the presence of trolley type fire extinguisher during fuelling After refueling ensure all filler caps are refitted and magnetic level indicators locked, refuel master switch in "OFF" position and panels are secured. Visually check fuel vent outlets for obstructions. <p>Miscellaneous</p> <ol style="list-style-type: none"> After water servicing ensure caps are fitted and panels are secured. After toilet servicing ensure caps are fitted and panels are secured. <p>Final</p> <ol style="list-style-type: none"> Ensure Aircraft Maintenance Log Book, Cabin Log Book and maintenance work sheets are reviewed 		<p style="text-align: center; font-weight: bold;">MECHANIC</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL 10-75 000007</div> <div style="border: 1px dashed red; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL 10-75 000007</div> <div style="border: 1px dashed red; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 5px;"></div> </div> </div>	

SignOff

Exhibit 4: Rejecting Sign Off

iPad
12:05 PM
30%

[E-Log](#)
Task Card Details 1 | TRANSIT CHECK | MPD

In-Progress
Signed off
Execution Comments
Estimation Status
Not Required
Part Consumption & Return
00:00:07
Remaining 1 Hrs

Sub Task

Task Instruction

Task Instruction - Form

Attachments 4

TASK SVC / CHK	TITLE Pre-Flight Check	APPLICABILITY	
		AIRPLANE A319 A320	ENGINE 56-5B
<p>NOTE: To be performed after "A" Check or 36 Hours Check or 8 Days check prior to next flight.</p> <p><u>Fuselage, Wings and Empennage</u></p> <ol style="list-style-type: none"> Perform general visual inspection of exterior surface of fuselage (360°) for condition and obvious damage. Check navigation, strobe, anti-collision and landing lights for obvious damage. Visually check the crew oxygen system thermal discharge indicators are not ruptured. <p><u>Fuel</u></p> <ol style="list-style-type: none"> Prior to refueling, carry out the refuel panel "LIGHT and HI LEVEL" test using the test switches (Task 12-11-28-740-050). Ensure the presence of trolley type fire extinguisher during fuelling After refueling ensure all filler caps are refitted and magnetic level indicators locked, refuel master switch in "OFF" position and panels are secured. Visually check fuel vent outlets for obstructions. <p><u>Miscellaneous</u></p> <ol style="list-style-type: none"> After water servicing ensure caps are fitted and panels are secured. After toilet servicing ensure caps are fitted and panels are secured. <p><u>Final</u></p> <ol style="list-style-type: none"> Ensure Aircraft Maintenance Log Book, Cabin Log Book and maintenance work sheets are reviewed 		<p>MECHANIC</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL-10-75 000007</div> <div style="margin: 0 5px;">X</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL-10-75 000007</div> <div style="margin: 0 5px;">X</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL-10-75 000007</div> <div style="margin: 0 5px;">X</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid green; border-radius: 50%; padding: 2px; text-align: center; font-size: 8px;">CAL-10-75 000007</div> <div style="margin: 0 5px;">X</div> </div> </div>	

SignOff

Sign-off rejected

Exhibit 5: E-Sign Off complete

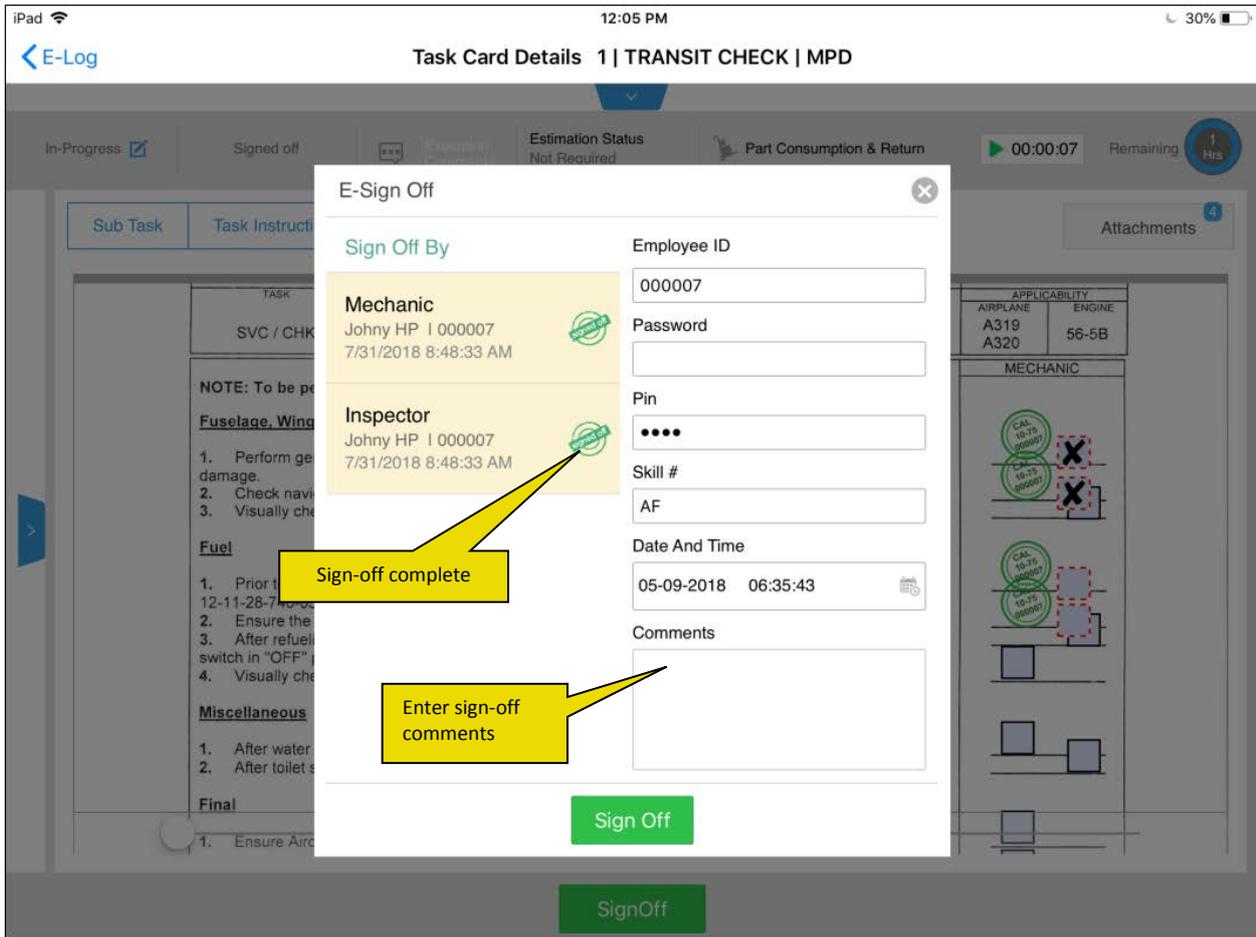


Exhibit 6: E-Sign Off complete

iPad
12:06 PM
30%

[E-Log](#)
Task Card Details 1 | TRANSIT CHECK | MPD

In-Progress
Signed off
Execution Comments
Estimation Status
Not Required
Part Consumption & Return
00:00:07 Remaining
1 Hrs

Sub Task
Task Instruction
Task Instruction - Form
Attachments 4

TASK	TITLE	APPLICABILITY	
SVC / CHK	Pre-Flight Check	AIRPLANE A319 A320	ENGINE 56-5B
<p>NOTE: To be performed after "A" Check or 36 Hours Check or 8 Days check prior to next flight.</p> <p><u>Fuselage, Wings and Empennage</u></p> <ol style="list-style-type: none"> Perform general visual inspection of exterior surface of fuselage (360°) for condition and obvious damage. Check navigation, strobe, anti-collision and landing lights for obvious damage. Visually check the crew oxygen system thermal discharge indicators are not ruptured. <p><u>Fuel</u></p> <ol style="list-style-type: none"> Prior to refueling, carry out the refuel panel "LIGHT and HI LEVEL" test using the test switches (Task 12-11-28-740-050). Ensure the presence of trolley type fire extinguisher during fuelling After refueling ensure all filler caps are refitted and magnetic level indicators locked, refuel master switch in "OFF" position and panels are secured. 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Exhibit 7: The ePackage Manager screen (You can search and find the package for which you want to view eSign off summary in this screen)

Work Order	Customer Order	Work Center	A/C Reg. #	Part # / Serial #	Planned Start Date	Total Tasks	Completed Tasks	Newly Approved
VP-003141-2018		YUL-115-05	101	NA	5/4/2018 8:47:27 PM	2	0	0
VP-003139-2018		185-20	101	NA	5/3/2018 7:15:19 PM	1	0	0
VP-003137-2018		185-20	101	NA	5/3/2018 4:56:31 PM	1	0	0
VP-003136-2018		185-20	101	NA	5/3/2018 4:40:00 PM	1	0	0
VP-003135-2018		185-20	101	NA	5/3/2018 4:10:46 PM	1	0	0
VP-003133-2018		185-20	101	NA	4/30/2018 4:39:29 PM	1	0	0

Exhibit 8: View eSign off details for package

NO	TASK	TECH	INSP
1.	Remove LH engine panel and LH flap bay panel.		
2.	Ensure cabin heat is off.		
3.	Remove bleed air line at upper aft corner of the plenum bulkhead and attach test fitting.		
4.	Attach shop air source or an air source max.120 psi and pressurize line.		

Exhibit 9: View eSign off details (Expanded View)

Package Name: VP-003141-2018 Package Type: A/C Maint. Exe. Ref. # Version: 2 Maint Object: A310/101

Task Instruction - Form Sign Off Status: NA

ePubs_TC_PdfSignoff.ashx 1 / 2

NO	TASK	TECH	INSP
1.	Remove LH engine panel and LH flap bay panel.		
2.	Ensure cabin heat is off.		
3.	Remove bleed air line at upper aft corner of the plenum bulkhead and attach test fitting.		
4.	Attach shop air source or an air source max.120 psi and pressurize line.		
5.	Leak check all pipe connections paying particular attention to the cabin heater valve and air emergency dump system if installed.		
6.	Open the cabin heater valve and ensure positive flow out of the cabin heater, shut off the cabin heater and ensure no air gets by the heater valve.		
7.	Remove air source and reconnect bleed air line at plenum bulkhead		

Exhibit 10: The View A/C Maint. Exe. Ref # screen in Flight Log

Flight Operations > Flight Log > Select Execution Ref #

Select Execution Ref #

Date Format: dd/mm/yyyy

Search Criteria: Aircraft Reg. #, Log #, Customer # / Name, Customer Order #, Work Center #, Journey Log #, Search On, Addl. Search On, Execution Ref. #, Exec. Status, Estimation Status, Date From / To

Fetch

#	Execution Ref. #	Package Description	Exec. Ref. Status	Estimation Status	Hold Status	Aircraft Reg. #	Aircraft Model #	Package Type
1	VP-000409-2017		Completed	Not Required		HXP16	S-70	Planned
2	VP-000374-2017	25H Lubrication	Completed	Not Required	On Hold	OH-HJ2	B412	Planned
3	VP-000128-2017	HPK 2017-01-27 HOUR (SOH INSPECTIONS)	Completed	Not Required		se-hpk	B206	Planned
4	VP-000206-2017	HPK 2017-03-27 1500H, 600H and 12M	Completed	Not Required		SE-HPK	B206	Planned
5	VP-000323-2017	HPK 2017-06-01 Calendar (1M)-WO#12	Completed	Not Required		SE-HPK	B206	Planned
6	VP-000330-2017	HPK 2017-06-01 Hour (SOH), WO #13	Completed	Not Required		SE-HPK	B206	Planned
7	VP-000405-2017	HPK 2017-11-24 Calendar (1M)-WO#21	Completed	Not Required		SE-HPK	B206	Planned
8	VP-000405-2017		Completed	Not Required		SE-HPK	B206	Planned
9	VP-000405-2017		Completed	Not Required		SE-HPK	B206	Planned
10	VP-000405-2017		Completed	Not Required		SE-HPK	B206	Planned

Upload Documents View Associated Doc. Attachments Review Exceptions View Job Log

Generate Work Summary Report(s)

Flight Log -> View A/C Maint. Exe. Ref # Last Login on 12/02/2018 at 06:43:54 59 Minute(s) 11:17 AM

Click here to generate report for offline view

Click here to invoke View Job Log screen

Exhibit 11: Search package with work actuals

Work Package Publisher

Search for Work Package

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

Package Name: VP-003141-2018 | Package Description: | Request From Date: | Request To Date: |

Aircraft Reg #: | Work Center #: | Print Job Status: All

Work Package List

Package Name	Package Type	Aircraft Reg#	Description	With Actuals
VP-003141-2018	A/C Maint. Exe. Ref. #	101		3 Print Jobs
Print Job #	Request Date	Print Job Status	Requested By	With Actuals
3	5/4/2018 7:09:46 PM	Succeeded	admin	Yes
2	5/4/2018 7:02:50 PM	Succeeded	DMUSER	Yes
1	5/4/2018 6:51:38 PM	Succeeded	DMUSER	Yes

Exhibit 12: Include section in view package

Work Package Publisher

View Package

Tally#	Tracking#	Seq#	Task#	Description	Revision	ATA#	Source Doc Type
1	1	1	CONAIRTASK	conairtask	72-00	Other	
2	2	2	CDP-000683-2018	disc	72-00	Other	
3	3	3	CDP-000684-2018	disc value	72-00	Other	
4	4			Task	72-00	Other	

Showing 1 to 4 of 4 entries

Include Section

- Cover sheet
- Task execution details
 - Discrepancy details
 - Part removal/installation details
 - Material request details
 - Parameter reading details
 - Participants Summary details
- Attachment
- Tally Sheet

Buttons: Print Package, View PDF

Exhibit 13: View job log screen

ramco ePublications

Work Package Publisher

< Print Log

Package Type A/C Maint. Exe. Ref. # Package Name VP-003141-2018 Print Job # 3

A/C Model# A310 A/C Reg# 101 Work Actuals Yes

Part # NA Component # NA

Work Center YUL-115-05 End Date 05/04/2018

Package Description

Print Details

#	Print Job #	Package PDF	Work Actuals	Request Date	Requested By	Print Job Status	Message	Print Location	Cancelled By
●	3	VP-003141-2018_3	Yes	5/4/2018 7:09:46 PM	admin	Succeeded	Copy PDF to repository - Success.		
●	2	VP-003141-2018_2	Yes	5/4/2018 7:02:50 PM	DMUSER	Succeeded	Copy PDF to repository - Success.		
●	1	VP-003141-2018_1	Yes	5/4/2018 6:51:38 PM	DMUSER	Succeeded	Copy PDF to repository - Success.		

New Printer Location

Print Cancel Job

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