

# **RAMCO AVIATION SOLUTION**

## **ENHANCEMENT NOTIFICATION**

**Version 5.8.9.1**

**Mobility**

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## WHAT'S NEW IN MECHANICANYWHERE?

### Ability to provide Execution Page for Shop Work Order documents in MechanicAnywhere

*Reference: APRP-161*

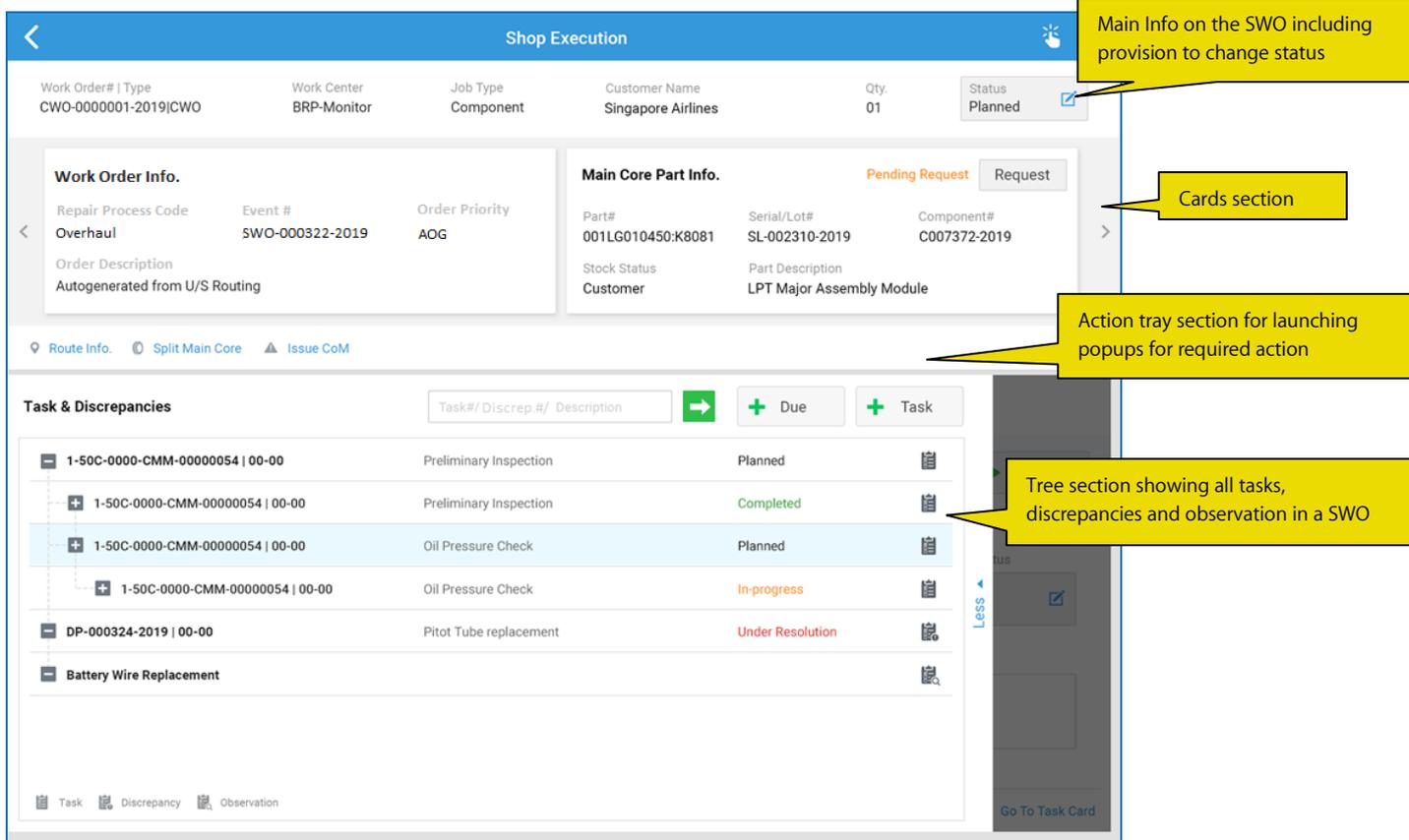
#### Background

Currently, in MechanicAnywhere there is no provision to view the shop tasks, discrepancies and observations in a single page like eLog. Shop Execution is a new face of MechanicAnywhere which is enhanced to support all the shop related maintenance activities in a mobile application. From picking a job in a Shop Work Order to executing it, recording discrepancies and observation, raising Material Request, recording Component Replacement, routing parts, performing sign off and closing a Shop Work Order, all are supported now in MechanicAnywhere. A Shop Work Order released by a Shop MRO Planner can be executed and taken to closure by the mechanics in our MechanicAnywhere mobile application.

#### Change Details

- A new screen '**Shop Execution**' is introduced in **MechanicAnywhere**, which can be traversed from **Execution Document Card** task and discrepancy blocks when referenced for a Shop Work Order.
- This new screen facilitates the mechanic to see all the tasks, discrepancies and observation in a SWO in a tree view, Card view to have full information on the SWO and an execution section from where users will be able to perform various actions associated to a task/discrepancy including raising MR, recording CR, recording Observation & Discrepancy, recording Parts Return, route parts and Resource Consumption as well.
- New popups: Task (for adding task), Part Disposition & Movement, Record Observation and Route Parts have also been introduced in order to aid the Shop Execution in MechanicAnywhere.

**Exhibit 1:** Identifies the new Shop Execution page in MechanicAnywhere



The launch screen for Shop Execution gives all the relevant information for the Shop Work Order (SWO) which is referenced. The entire page is layered into a doc level info of the SWO on the top, cards section which has all detailed information about the SWO, action tray from where required popups can be launched and tree section which shows a structured representation of tasks, discrepancies and observations in the respective SWO in a hierarchical manner.

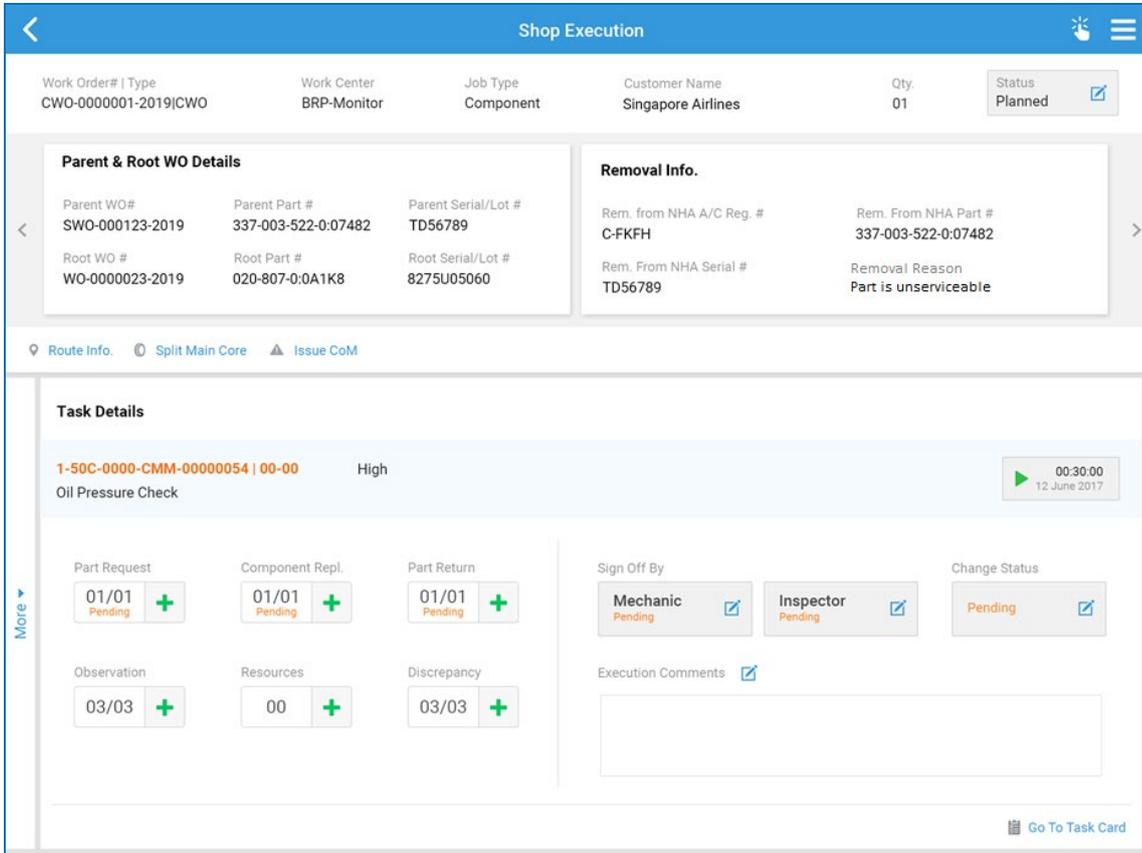
**Doc Level Info:** This section gives high level information of the SWO with the information as shown above. It also gives the user a provision to facilitate Status change of the SWO. If all the jobs inside the SWO are completed, then user can directly close the SWO using this popup.

**Cards:** This section gives details of the SWO in a logical card view. Six set of cards are given which can be made visible by swiping across: Work Order Info, Main Core Part Info, Part Disposition, Customer Info., Parent & Root WO Details and Removal Info. These cards are customizable using a new process parameter 'Document Info cards display order in the Shop Execution page?' available under the Entity Type: 'Mobility' and Entity: 'MechanicAnywhere'. There is also another process parameter introduced to show the cards in a collapsed/expanded manner on screen launch 'Collapse Document Info cards section by default in the Shop Execution page?' which is also available under the Entity Type: 'Mobility' and Entity: 'MechanicAnywhere'.

**Action Tray:** This section enables users to launch the required popups for: Route Info., Split Main Core and Issue CoM.

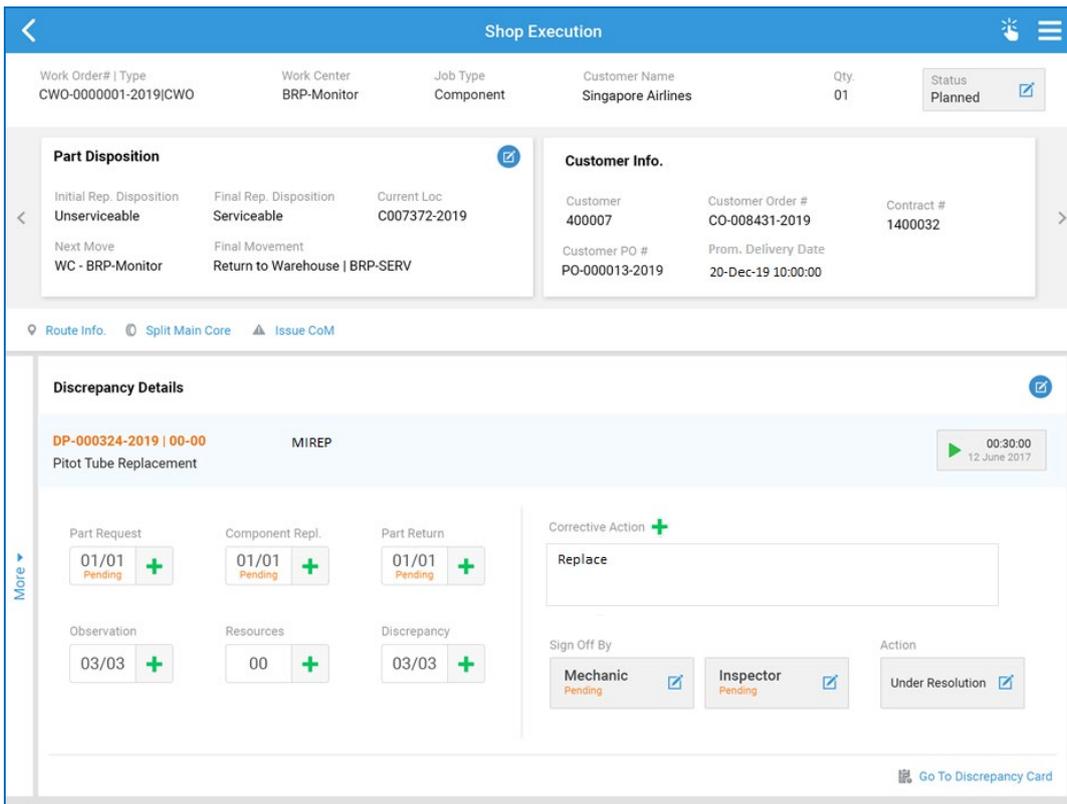
**Tree:** This section enlists all the tasks, discrepancies and observations in a SWO in a hierarchical manner (i.e. under the respective tasks, each discrepancy & observation are reported). A global search bar is given to search for the tasks, discrepancies and observations in SWO using the search criteria shown in the watermark. Tasks, discrepancies and observations are identified using an icon shown in the tree depicted using the legend shown below the tree. There is also provision given to Add Task or Add from Due List.

**Exhibit 2:** Identifies the new execution area for **Task** in **Shop Execution**



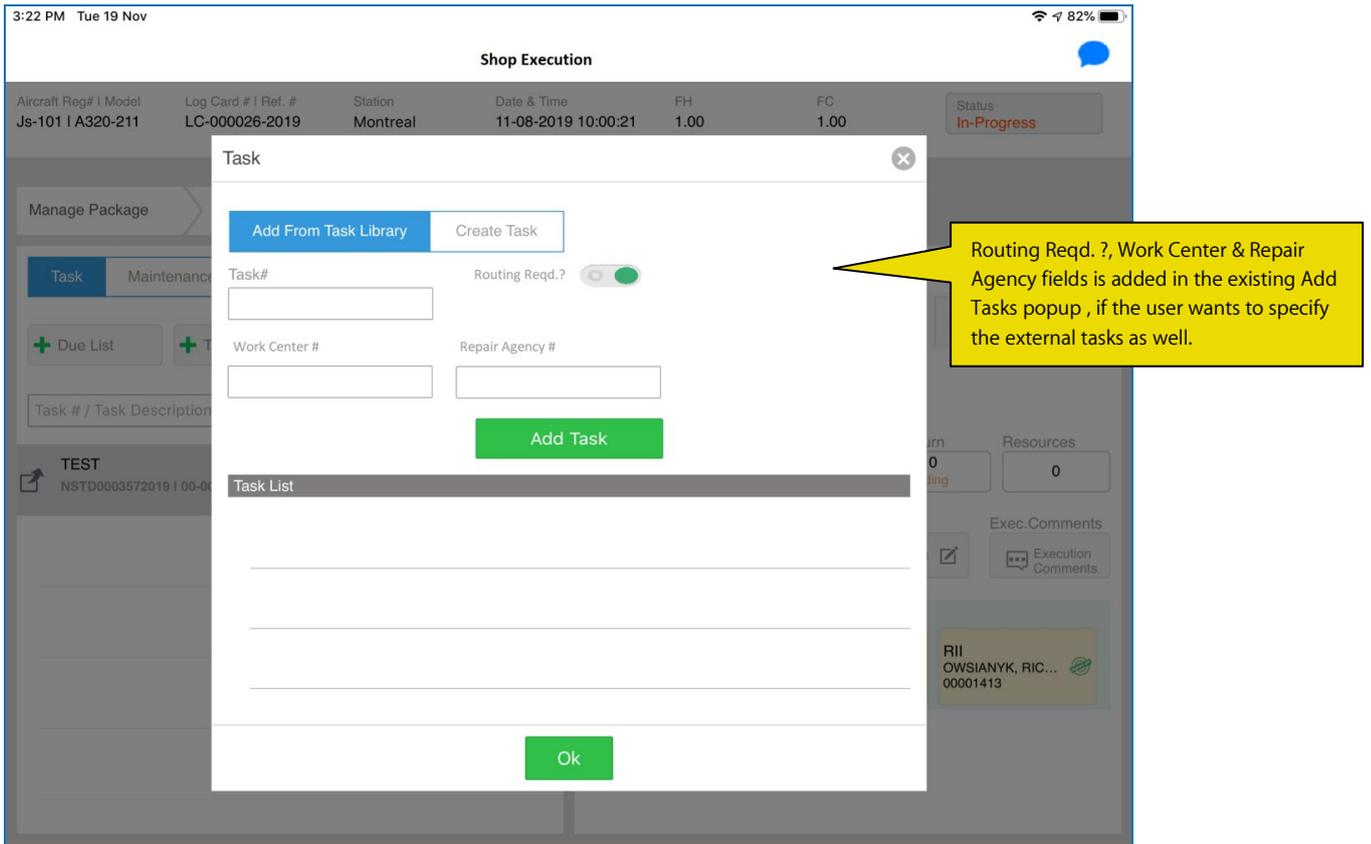
Task can be picked from the tree section and execution can be initiated. On picking a task from the tree, the tree section collapses and the right pane of the Shop Execution gets referenced for the task picked from the tree. From this action area, user will be able to view as well as perform various actions like raising Material Request, recording Component Replacement, performing Parts Return, recording observation, recording resource consumption and recording discrepancies. Along with these, other actions like sign off, clocking on/off, changing status and entering execution comments. A link to traverse to Task Card Details is also provided.

**Exhibit 3:** Identifies the new execution area for **Discrepancy** in **Shop Execution**



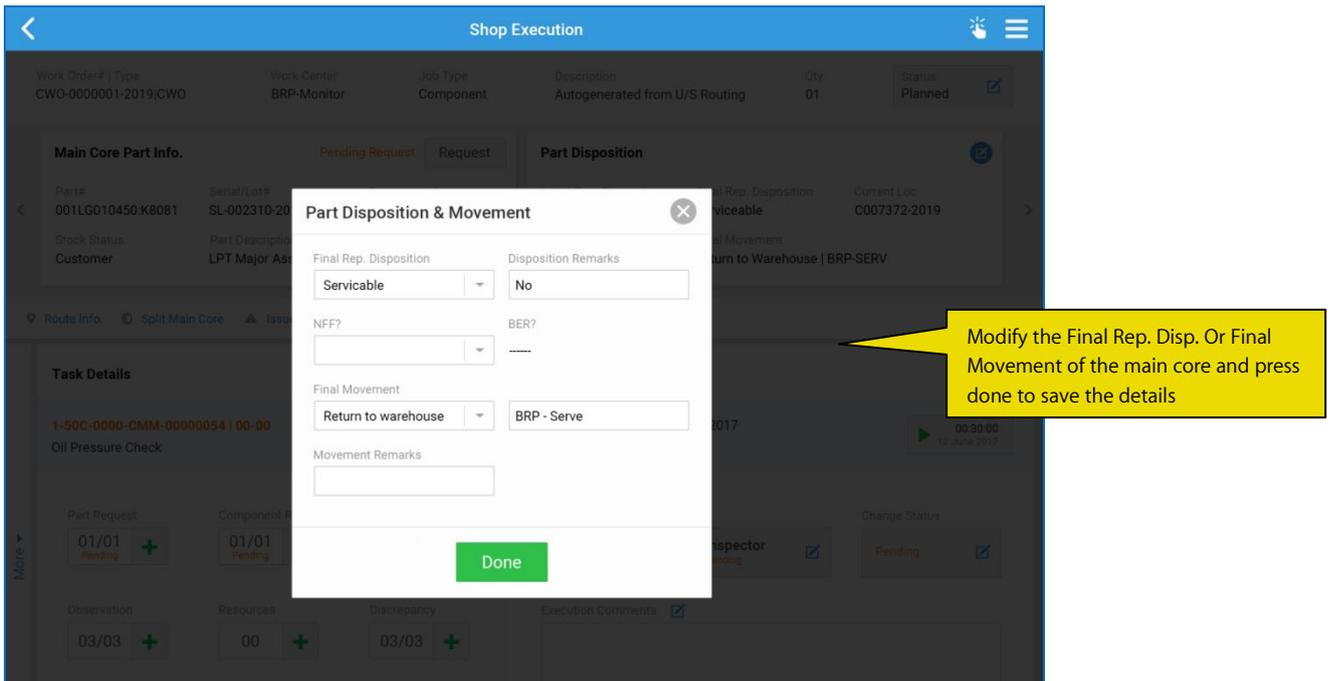
Discrepancy can be picked from the tree section and execution can be initiated. On picking a discrepancy from the tree, the tree section collapses and the right pane of the Shop Execution gets referenced for the discrepancy picked from the tree. From this action area, user will be able to view as well as perform various actions like raising Material Request, recording Component Replacement, performing Parts Return, recording observation, recording resource consumption and recording discrepancies. Along with these, other actions like sign off for a corrective actions, clocking on/off, changing status and recording new corrective actions. A link to traverse to Discrepancy Card is also provided.

Exhibit 4: Identifies the new popup **Task** for task addition in **Shop Execution**



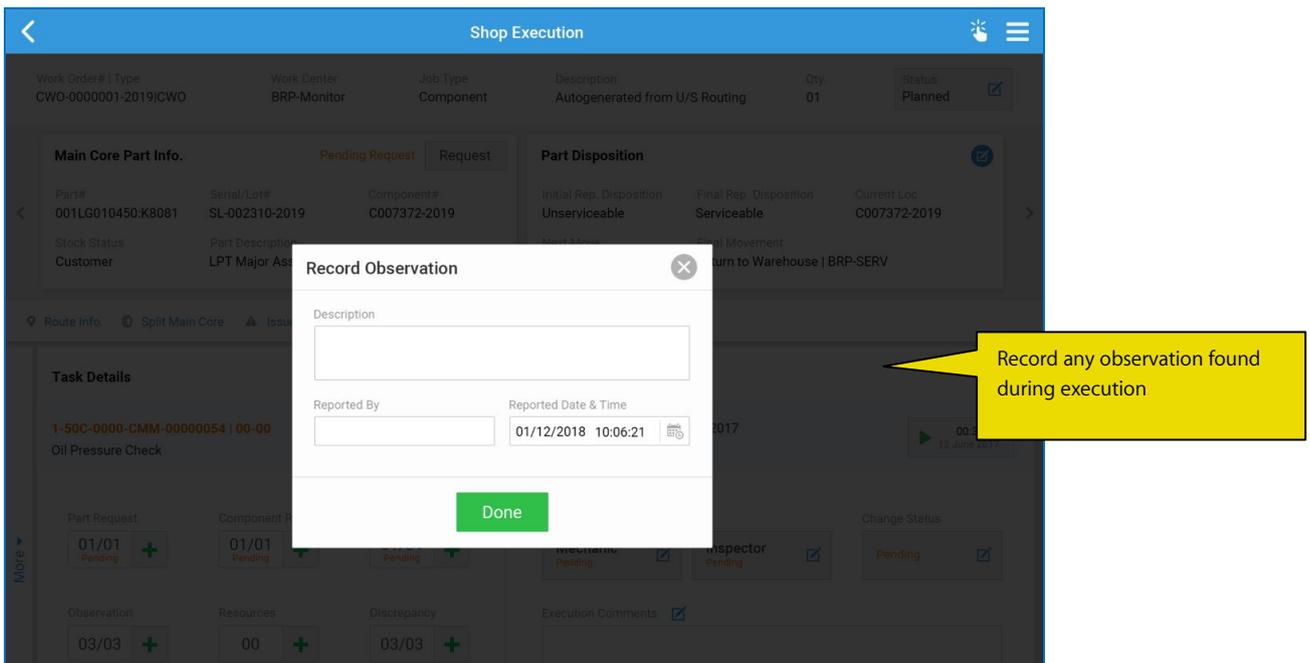
A new popup 'Task' is provided which is launched from add task button on top of the tree section. This popup is similar to the one in eLog for task addition. In addition to the existing controls in the popup, new controls: Routing Req.?, Work Center # and Repair Agency # are added in order to specify for any external task added. User will be able to create a Non-Standard Task or add Standard Task to the SWO.

Exhibit 5: Identifies the new popup **Part Disposition & Movement** in Shop Execution



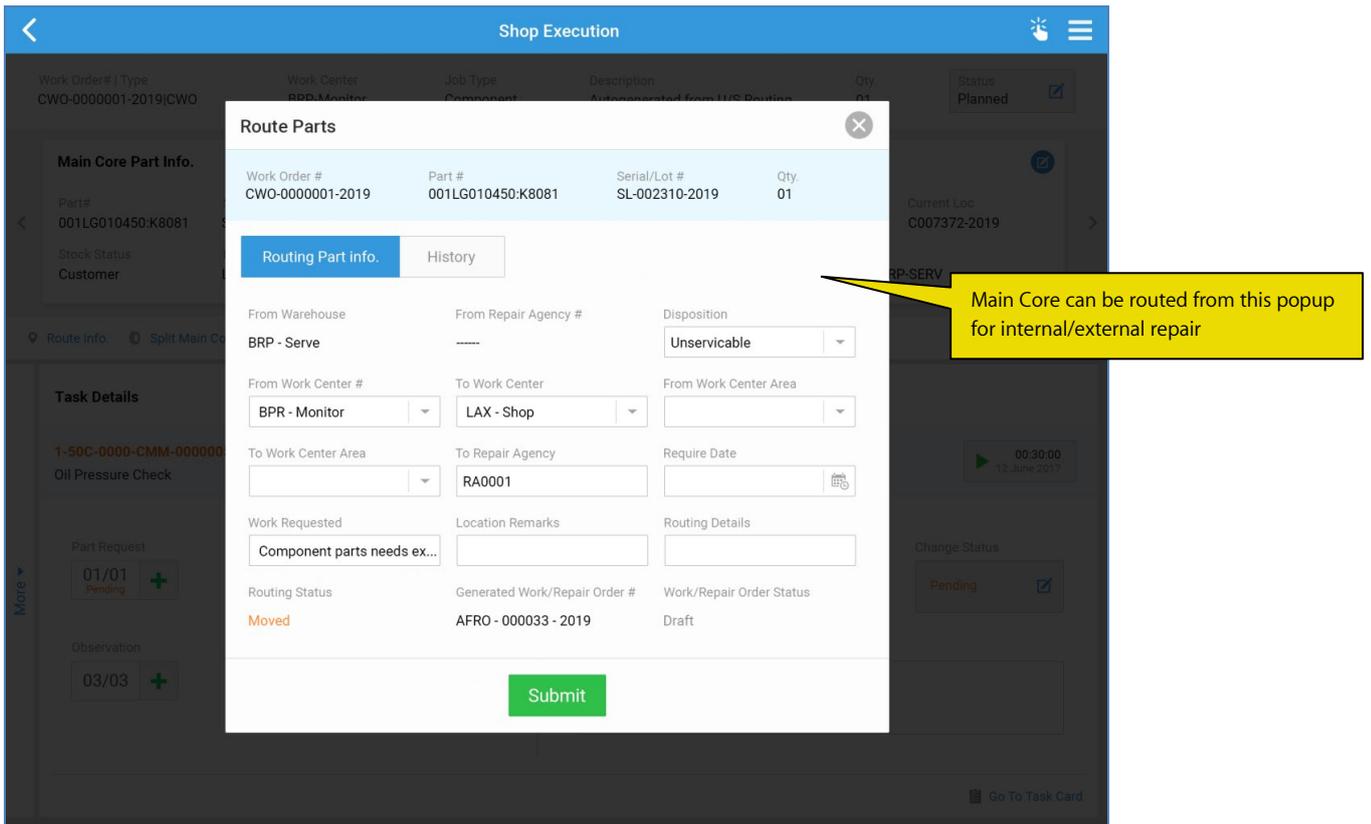
This popup is launched from the 'Edit' icon in the Part Disposition card. It aids the user in modifying the final disposition and/or final movement details of the main core. Other information like updating NFF? and BER details are also given in the same popup.

Exhibit 6: Identifies the new popup **Record Observation** in Shop Execution



This popup can be launched from both the execution area for task and discrepancy on tap of the add button for Observation. User will be able to record observation by entering the description and clicking 'Save'. This will record the observation against the task or discrepancy for which the popup was launched.

Exhibit 7: Identifies the new popup Route Parts in Shop Execution



This popup is launched on tap of Route Parts from the Action Tray section. Details of the Pending movement of the Main Core Part will be defaulted on the popup launch in the 'Routing Part Info.' tab. On tap of Submit, system will generate a Repair Order/Work Order if the required details are updated. The generated orders along with its status can also be viewed from this popup on the bottom. Work Center Movement Details can also be updated and the corresponding Routing status can also be viewed.

## Ability to view Notifications in a Message Center in MechanicAnywhere

Reference: APRP-631

### Background

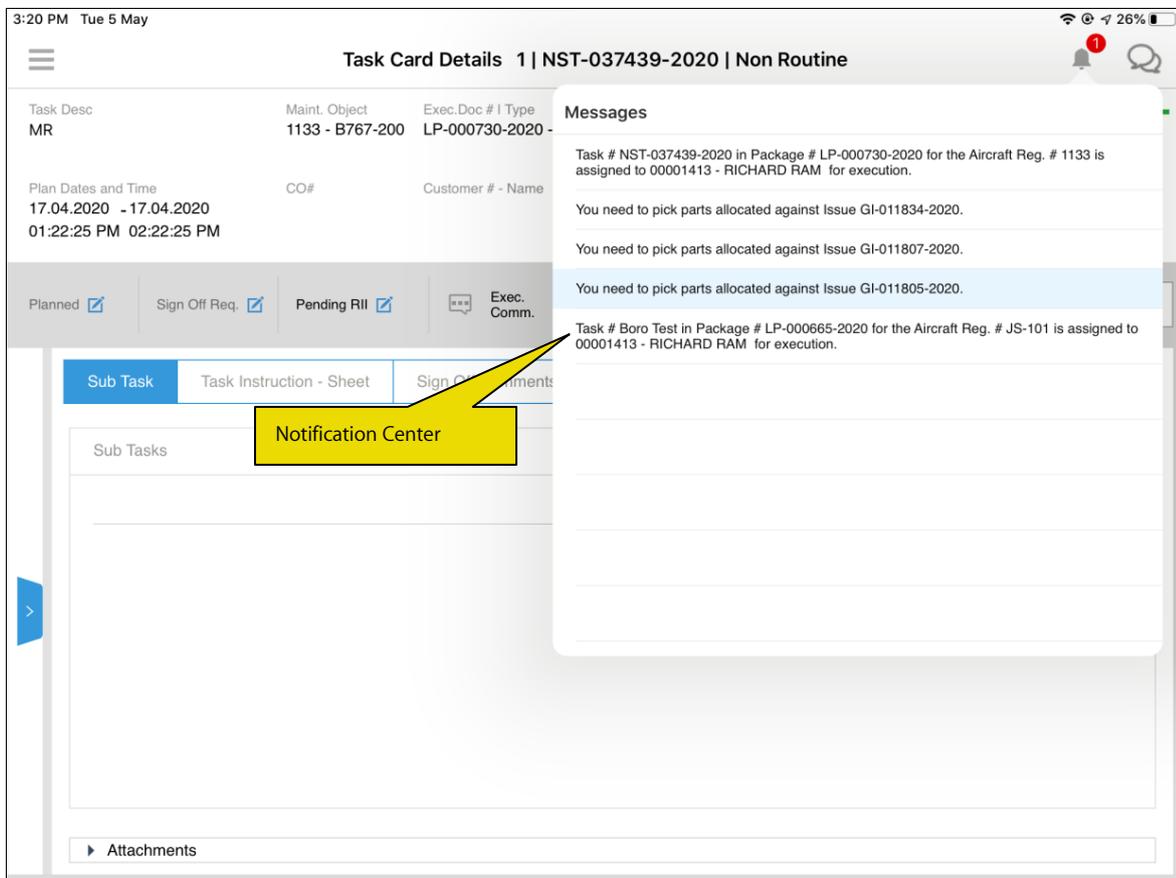
In an organization, multiple mechanics can share one device during the execution of their work. They should get the notifications regarding their work whenever they are logged in to the MechanicAnywhere application.

### Change Details

To enable viewing all the Notifications in MechanicAnywhere, the following changes have been incorporated:

- A new Notification center is added in MechanicAnywhere, where user can see all the notifications that belongs to him.
- Number of unread notifications will be shown on the notification icon.
- On click of each notification, respective page will launch. For example, if the notification is task assignment then on click of the notification, task card of that task will open.

**Exhibit 1:** Identifies the new Notification Center in MechanicAnywhere



## Ability to generate CoM in MechanicAnywhere

Reference: APRP-926

### Background

In the MechanicAnywhere mobile application, there is a provision to issue Certification of Maintenance (CoM) but there are certain limitations to it. If CoM is issued for a particular AME Package, CoM # generated was not shown in MechanicAnywhere. Dual Authentication of enabling one person to create the CoM and another one to authorize the CoM was also required while issuing CoM from MechanicAnywhere. Also, there is a provision required to capture Actual Sign Off of the person who is issuing CoM when the CoM is being generated.

### Change Details

- To facilitate an additional authorization level while issuing CoM, the following addition has been incorporated in Ramco Aviation:
  - New process parameter 'Authorization required while issuing CoM?' has been introduced under the entity type Package Type and the entity 'All user defined package types' including Logcard in the **Define Process Entities** activity of **Common Master** business component.

Process Parameter	Value	Impact in MechanicAnywhere
Authorization required while issuing CoM?	"0" for 'No'	System will directly allow issuing of CoM in a single step on tap of 'Issue'. Same person will be creating and authorizing CoM
	"1" for 'Yes'	System will allow only either creation/authorization of CoM at a time. On tap of 'Create' and 'Authorize' users can create and authorize simultaneously one after the other.

- Existing Process Parameters have been modified in order to facilitate uniformity across the product: "Require Sign-Off of Certificate of Maintenance (CoM) in eLog?", "Text to Display for Certificate of Maintenance (CoM) in eLog" and "Default CoM Type for Certificate of Maintenance (CoM) in eLog?".
- New fields: CoM #, CoM Status, Created/Authorized By, Date&Time, Sign Off is introduced to show the generated CoM # and also the details of the person who created and/or authorized CoM along with the provision to show the actual sign off if performed. This created and authorized details can be viewed by swiping left/right.

#### Issue CoM

If the process parameter "Authorization required while issuing CoM?" is set as '0' for 'No', then when issuing CoM, only a 'Issue' button will be visible in the Certification of Maintenance section in Preview and Acceptance tab. User can directly issue the CoM without any authorization by tapping the Issue button and entering relevant data in the 'Issue CoM' popup that is launched. CoM will be issued in 'Confirmed' status.

#### Create & Authorize CoM

If the process parameter "Authorization required while issuing CoM?" is set as '1' for 'Yes', then when issuing CoM, only 'Create' button will be visible in the Certification of Maintenance section in Preview and Acceptance tab. User can first create the CoM by entering relevant data in the 'Create CoM' popup that is launched on tap of 'Create'.

CoM will be created in 'Fresh' status. Now when the CoM is created, two new buttons will be shown near the CoM status: 'Authorize' and 'Cancel'. User can either cancel a 'Fresh' CoM directly on tap of 'Cancel' or authorize the CoM on tap of 'Authorize'. On tap of 'Authorize', a new 'Authorize CoM' popup is launched which enables the users to authorize a 'Fresh' CoM. On authorization, CoM will now be in 'Confirmed' status.

**Actual Sign Off**

Actual Sign Off can be captured at the time of issuing/creating/authorizing CoM. This is a provision to directly capture a direct signature of the person who is issuing/creating/authorizing the CoM. This is embedded in all the 3 popups: Issue CoM, Create CoM and Authorize CoM. On tap of the 'Sign' control in all 3 popups, a new E - Sign popup launches where user can directly perform a free form of the sign and save it while issuing/creating/authorizing CoM. This captured sign will be shown in the Certificate of Maintenance section in the 'Sign Off' control. If no actual sign off is given by the user, then on issuing/creating/authorizing CoM, sign off seal will be shown in Sign Off control in Certificate of Maintenance section.

**Dual Authentication**

For enabling Dual Authentication while issuing/authorizing CoM, a new Entity and Action is introduced in **Configure Dual Authentication: MechanicAnywhere – Issue CoM for AME**. This, when enabled will prompt the user to enter PIN/Password/PIN-Password when issuing/authorizing CoM as per the Authentication Type set.

**Exhibit 1:** Identifies the **Dual Authentication** enabling from **Configure Dual Authentication** page

The screenshot shows the 'Configure Dual Authentication' interface. At the top, there are 'PIN Settings' with 'No. of invalid entries' set to 3 and 'No. of digits for PIN' set to 4. Below is the 'Configure Functions' section, which contains a table with the following data:

#	Application Group	Entity	Action	Authentication Type	Remarks
1	Desktop	Aircraft Maintenance Execution	Sign-Off	Not Required	
2	Desktop	Aircraft Maintenance Execution	Void task	Not Required	
3	Desktop	Shop Work Order	Sign-Off	Not Required	
4	Desktop	Shop Work Order	Void	Not Required	
5	Desktop	Shop Work Order	Reject Task	Not Required	
6	Desktop	Shop Work Order	Issue Certificates COM	Login Password & PIN	
7	Mobility	MechanicAnywhere	Void	Not Required	
8	Mobility	MechanicAnywhere	Reverse	Login Password & PIN	
9	Mobility	MechanicAnywhere	Sign-Off	Not Required	
10	Mobility	MechanicAnywhere	Issue COM for AME	Login Password & PIN	

A red box highlights the row for 'MechanicAnywhere' with the action 'Issue COM for AME'. A yellow callout box points to this row with the text: 'New entity added here to enable Dual Authentication for Issue CoM for AME in Mech'. A 'Save' button is visible at the bottom of the table.

Exhibit 2: Identifies the new 'Issue' button in MechanicAnywhere to issue CoM

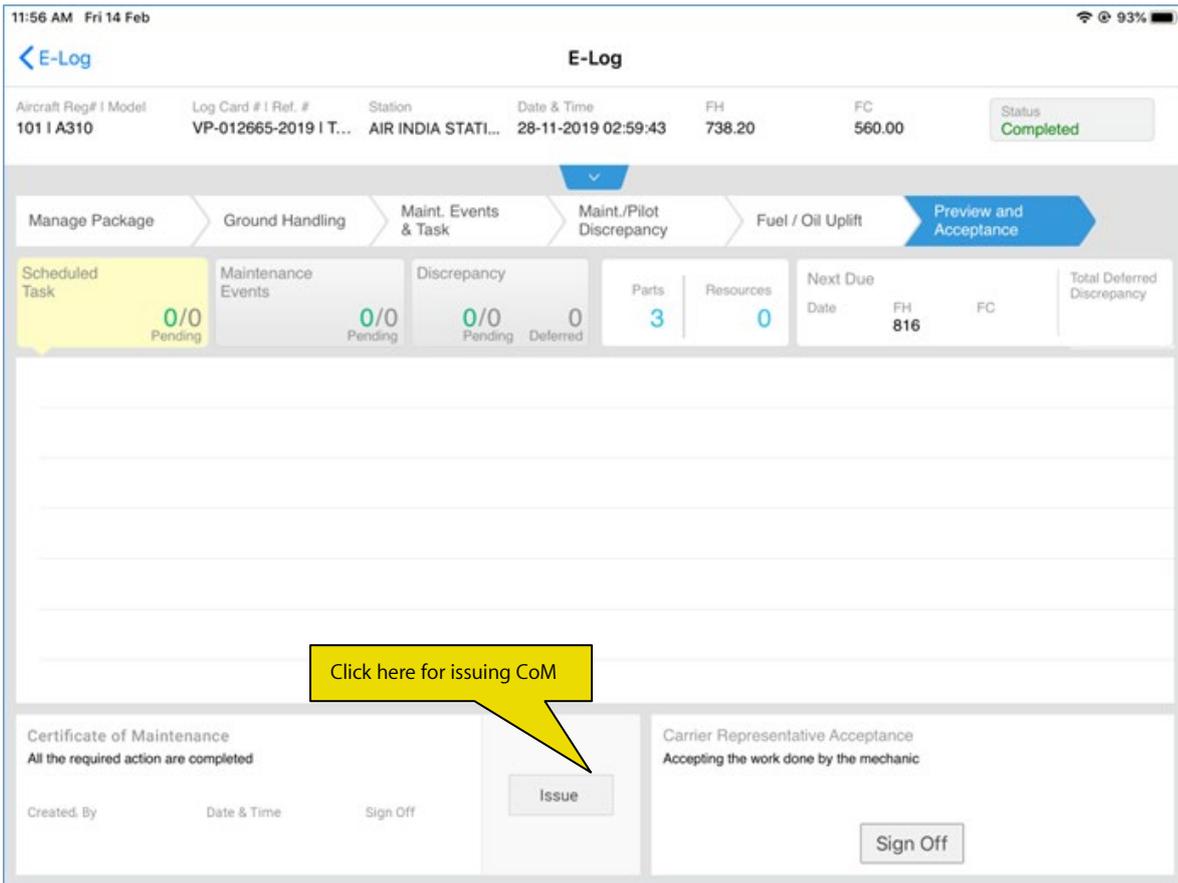


Exhibit 3: Identifies the new 'Issue CoM' popup in MechanicAnywhere to issue CoM

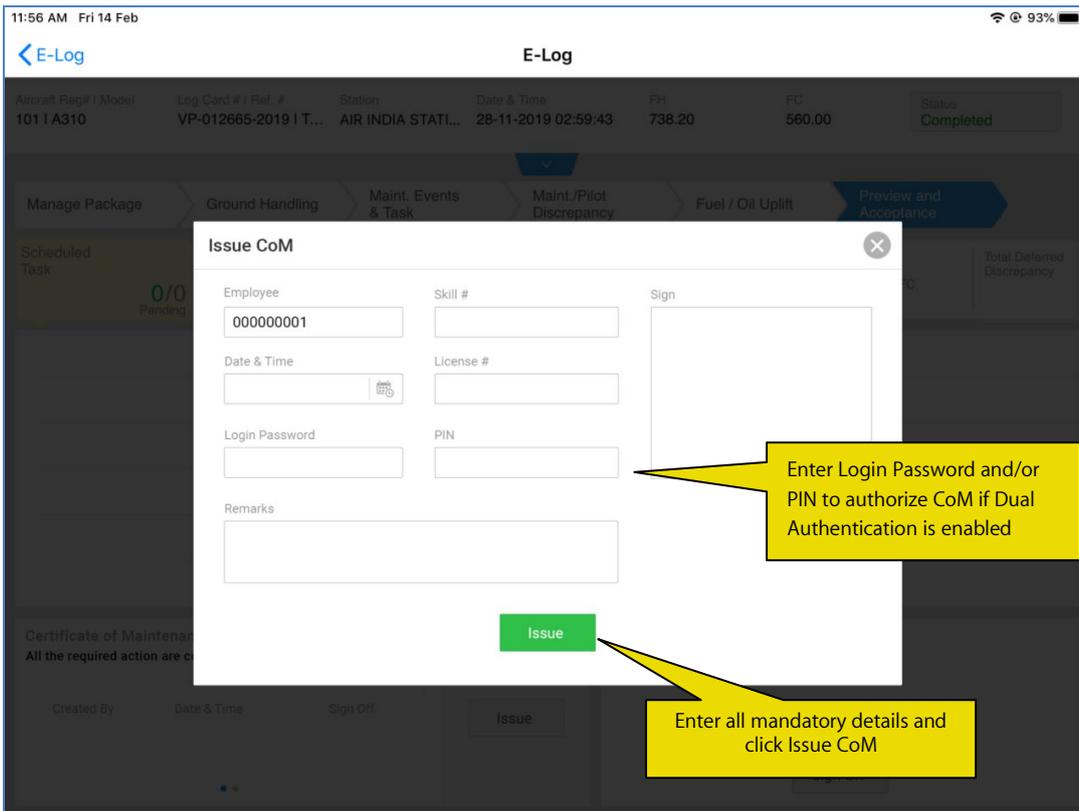


Exhibit 4: Identifies CoM in 'Confirmed' status in MechanicAnywhere

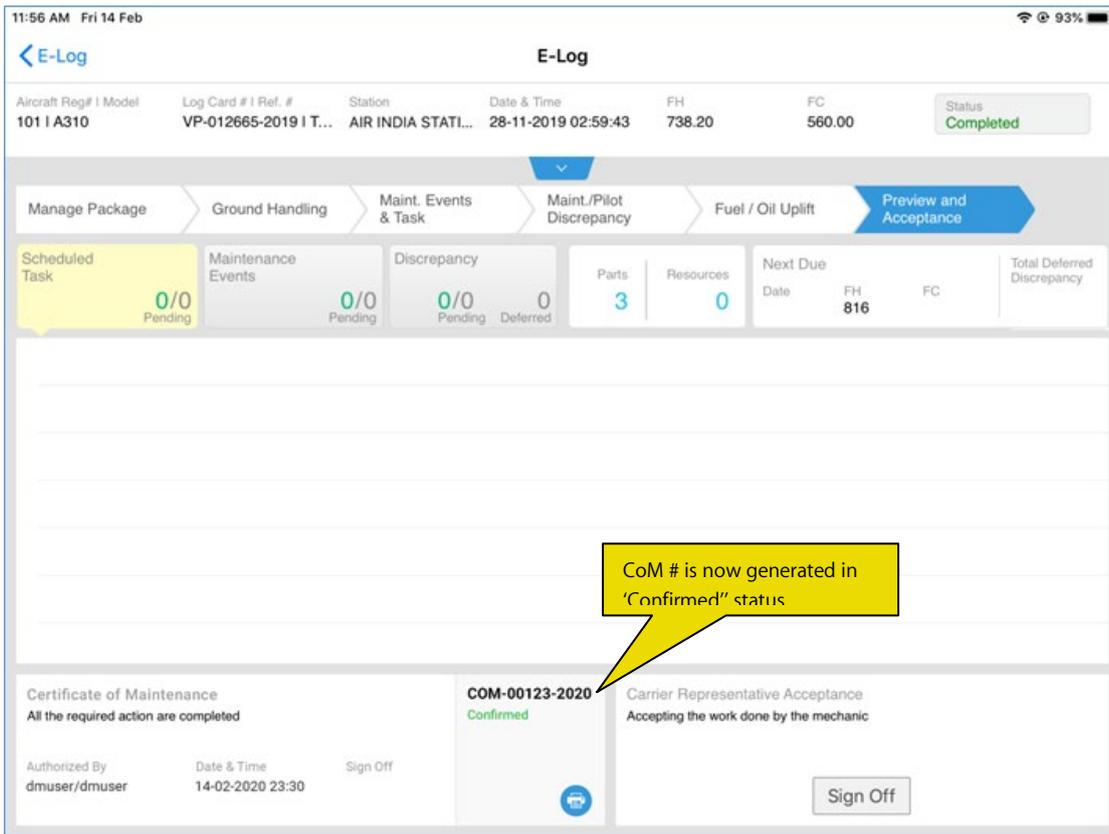


Exhibit 5: Identifies the new 'Create' button in MechanicAnywhere to create CoM

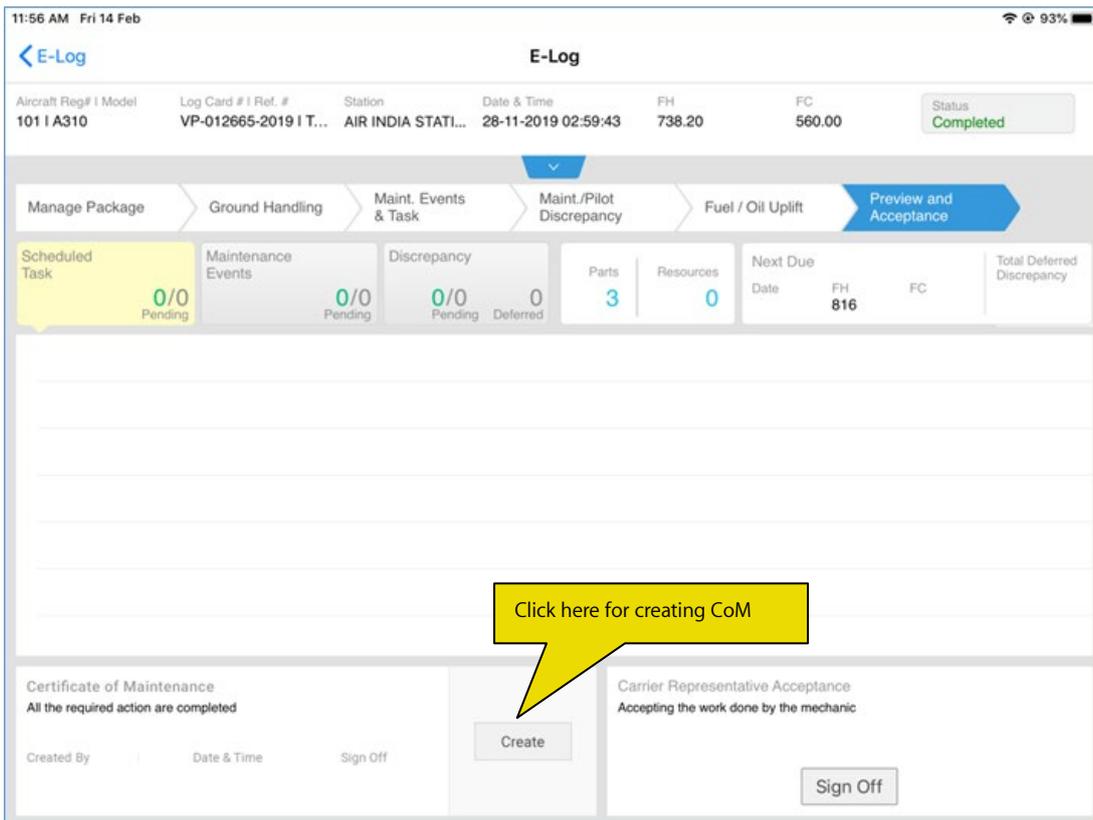


Exhibit 6: Identifies the new 'Create CoM' popup in MechanicAnywhere to create CoM

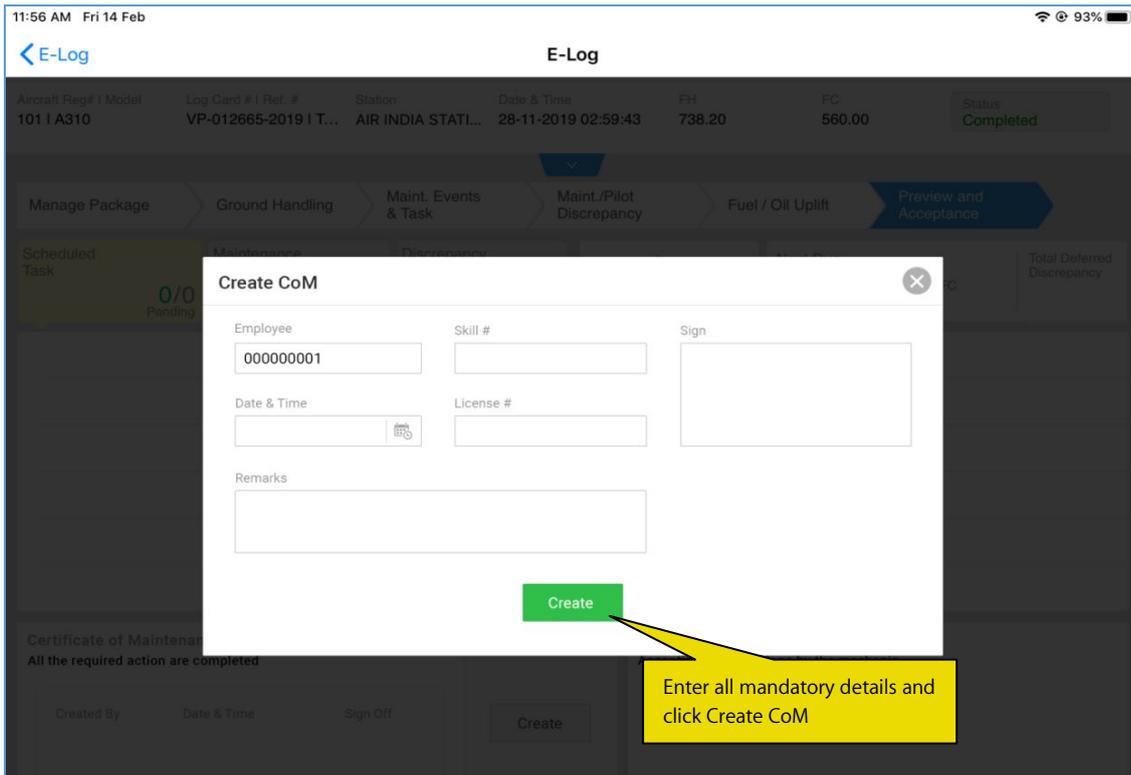


Exhibit 7: Identifies a CoM in 'Fresh' status in MechanicAnywhere

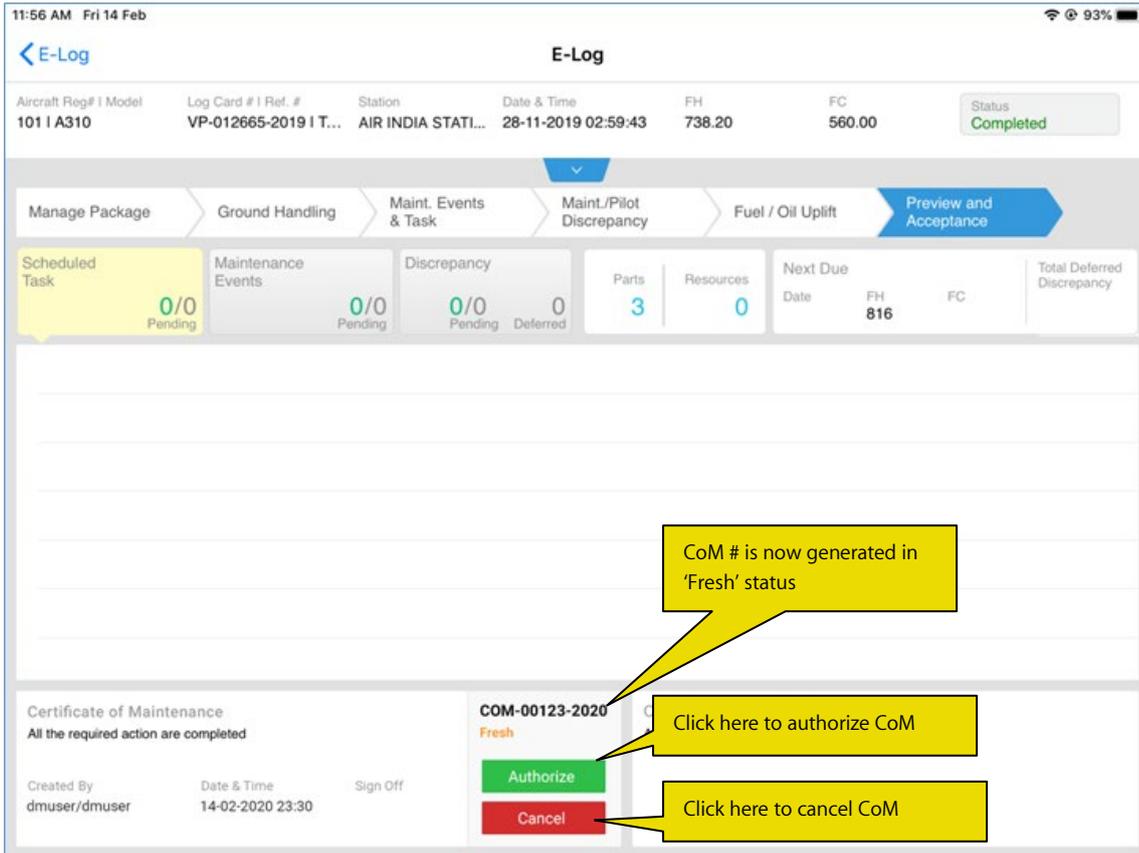


Exhibit 8: Identifies the new 'Authorize CoM' popup in MechanicAnywhere to authorize CoM

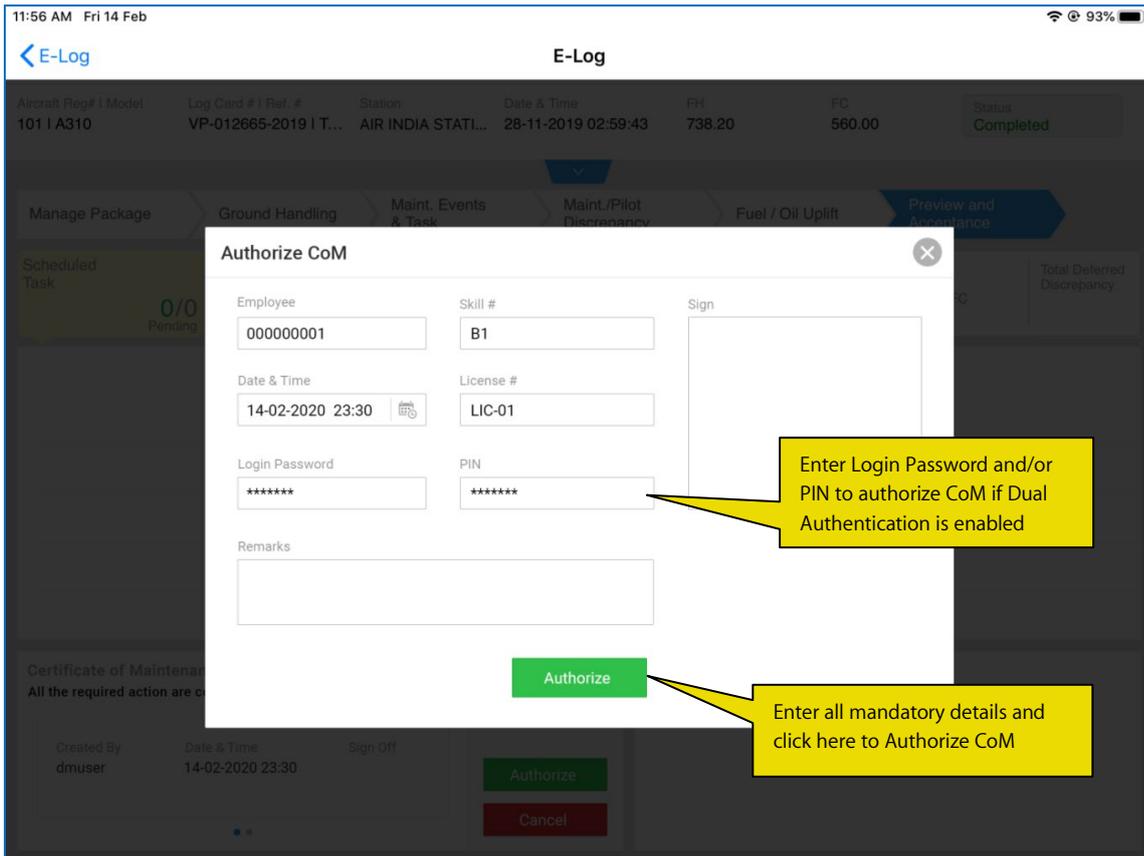
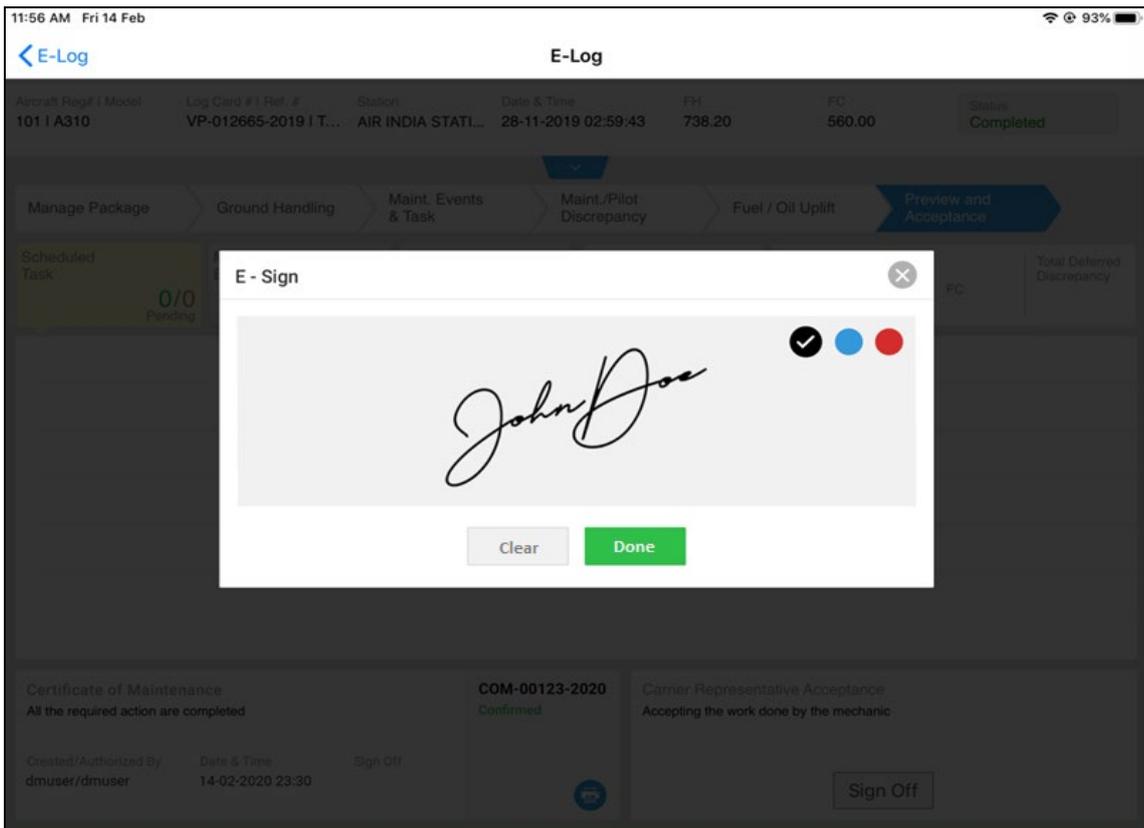


Exhibit 9: Identifies the new 'E - Sign' popup in MechanicAnywhere to perform Actual Sign Off



## Ability to show Important Dates in Exec. Doc. Card

Reference: APRP-750

### Background

In the MechanicAnywhere mobile application, a Card page for work packages and shop work orders was introduced earlier to enable the mechanics/supervisors to view data, track status and monitor execution and facilitate closure at document level. Along with the Work Status and Cost Details, a provision to view the dates applicable for AME Package/Shop Work Orders/Child Repair Order is also required. This will enable the supervisors to know the time that is available for execution and visualize it on a timeline to enable a quicker decision based on the dates.

### Change Details

New tab '**Important Dates**' is introduced between the 'Work Status' and 'Cost Details' tabs of Execution Document Card screen in MechanicAnywhere. This tab will enable the users to view dates applicable for an AME Package/Shop Work Order/Child Repair Order in a timeline view.

This tab has a toggle '**Include Child Orders**' which loads all the Child Shop Work Orders and Child Repair Order with respect to the AME Package/Shop Work Order for which it is launched. User will be able to view the dates for all child orders by selecting the combo value from '**View For**'. The dates timeline will be streamlined as per the user selection from the combo 'View For'.



*Note: By default 'Include Child Orders' toggle will be OFF.*

### Dates Display in the Timeline

All dates in the timeline will be shown in the chronological order in which the respective events happen. Any date which is not recorded will not be shown in the timeline. The following dates which are applicable for AME Package/Shop Work Order/Child Repair Order will be shown:

- AME Package: Planned Start, Planned End, Actual Start, Actual End, Promised Delivery, Project Completion, Hangar-In and Hangar-Out
- Shop Work Order: Planned Start, Planned End, Actual Start, Actual End, Promised Delivery, Project Completion, Customer Requested and Target
- Child Repair Order: RO, Repair Shop Shipping, Promised Delivery and Authorized

All dates shown in the dates timeline are colour coded as per the following:

- **Green:** All date/time that have passed the current date/time
- **Orange:** The respective date/time which is the next immediate date with reference to the current date/time to be represented in the timeline (there will be only one date/time in the timeline which will be in orange colour at a time)
- **Grey:** All date/time that has not crossed the current date/time or future date/time

Exhibit 1: Identifies the Important Dates tab in the Execution Document Card page

The screenshot displays the 'Execution Document Card' interface. At the top, it shows the time '6:12 PM Mon 11 May' and battery level '72%'. The main title is 'Execution Document Card | CSO000297-2019 | Component'. Below this, there are several data fields: 'Part # | Serial #/Lot #' (10835-21:07148 | NAV-MON3), 'Work Center # | Station' (185-25 | Chicago), 'Customer Name | Event #' (Customer 8 | CO-00856...), 'Component # | Qty.' (C004162-2020 | 1), 'Priority | Main Core Status' (AOG | Pending Request), and 'Status' (In-Progress). There are also two summary cards: 'Task' (6/6 Pending) and 'Discrepancy' (0/0 Pending). A navigation bar contains three tabs: 'Work Status', 'Important Dates' (highlighted in blue), and 'Cost Details'. Below the tabs is a toggle for 'Include Child Orders'. The main content area features a timeline with six milestones: 'Planned Start' (05-08-2020 12:03:34), 'Actual Start' (05-08-2020 13:02:07), 'Planned End' (05-23-2020 18:07:55), 'Target' (05-25-2020 18:07:55), 'Project Completion' (05-27-2020 18:07:55), and 'Customer Requested' (05-30-2020 00:00:00). A yellow callout box points to the 'Important Dates' tab with the text 'Important Dates tab in Execution Document Card'.

## Ability to enter Radio Communication in Discrepancy Write-Up popup

Reference: APRP-550

### Background

In Aircraft Maintenance Execution, user can create discrepancy by using the radio communication. Currently, user can create the discrepancy by using Radio Communication in Create Discrepancy screen of **MechanicAnywhere**. But sometimes user will create the discrepancy without any source task reference in Discrepancy popup. Therefore, Radio Communication should be available in Discrepancy Write-up also.

### Change Details

In order to facilitate creation of discrepancy by using Radio Communication in Discrepancy Write-up, the following changes have been introduced in Discrepancy Write-up popup of MechanicAnywhere.

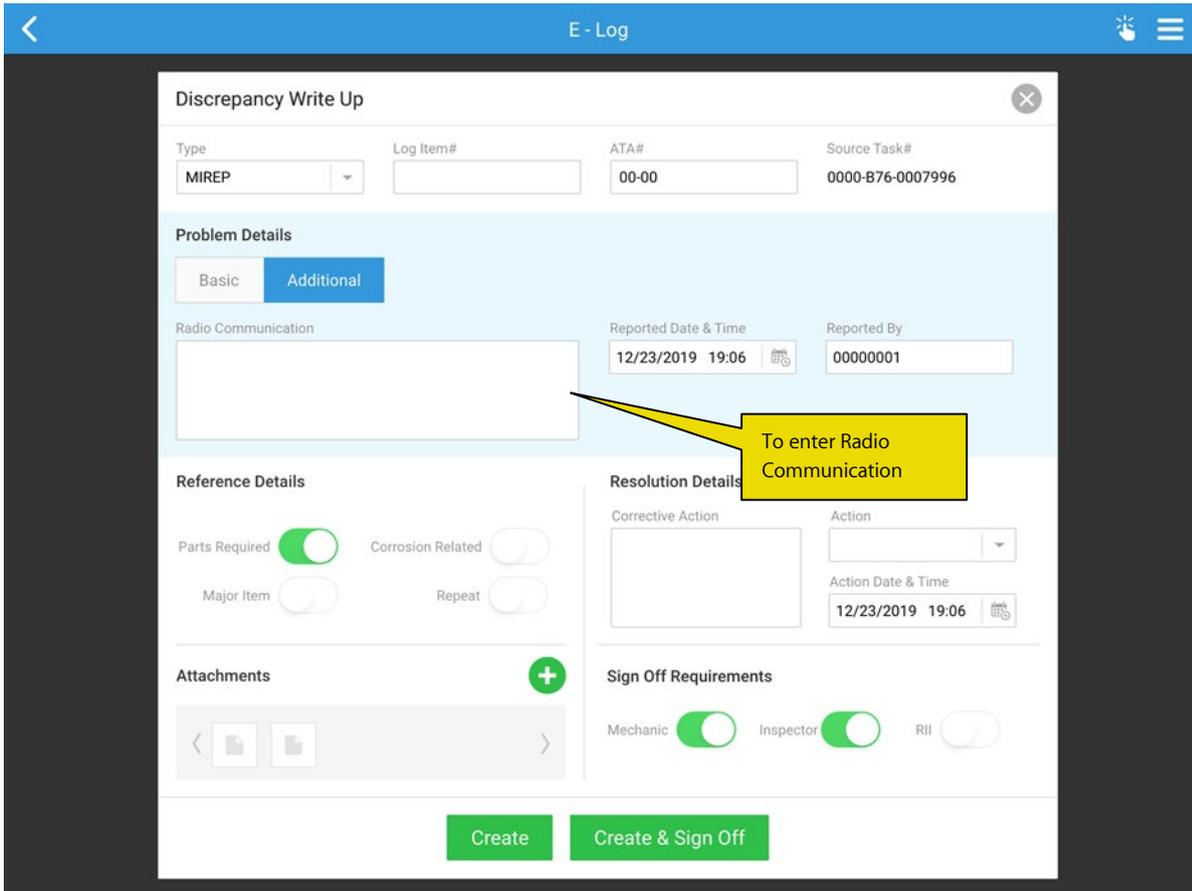
- Radio Communication control is introduced in the Discrepancy Write-up popup.
- For better usability, controls are grouped under different heading.
- To accommodate the Radio Communication in problem details, two tabs (Basic and Additional) are introduced.

**Exhibit 1:** Identifies the new tab 'Basic' in **Discrepancy Write-up** popup of MechanicAnywhere

The screenshot displays the 'Discrepancy Write Up' popup interface. At the top, there's a blue header with a back arrow, 'E - Log', and a menu icon. The main form area is white with a close button (X) in the top right corner. The form is organized into several sections:
 

- Header Fields:** Type (MIREP), Log Item#, ATA# (00-00), and Source Task# (0000-B76-0007996).
- Problem Details:** Contains two tabs, 'Basic' (selected) and 'Additional'. Under the 'Basic' tab, there's a large text area for 'Description', a 'Category' dropdown, 'Est. Man Hours' input, and a 'Repair Classification' dropdown.
- Reference Details:** Features four toggle switches: 'Parts Required' (checked), 'Corrosion Related', 'Major Item', and 'Repeat'.
- Resolution Details:** Includes a 'Corrective Action' text area, an 'Action' dropdown, and an 'Action Date & Time' field showing '12/23/2019 19:06' with a calendar icon.
- Sign Off Requirements:** Contains three toggle switches: 'Mechanic' (checked), 'Inspector' (checked), and 'RII'.
- Attachments:** A section with a plus icon and a gallery of image thumbnails.
- Bottom Buttons:** Two green buttons labeled 'Create' and 'Create & Sign Off'.

**Exhibit 2:** Identifies the new control 'Radio Communication' in **Additional** tab of **Discrepancy Write-up** popup of **MechanicAnywhere**



## Ability to enter Work Requested in MechanicAnywhere

Reference: APRP-547

### Background

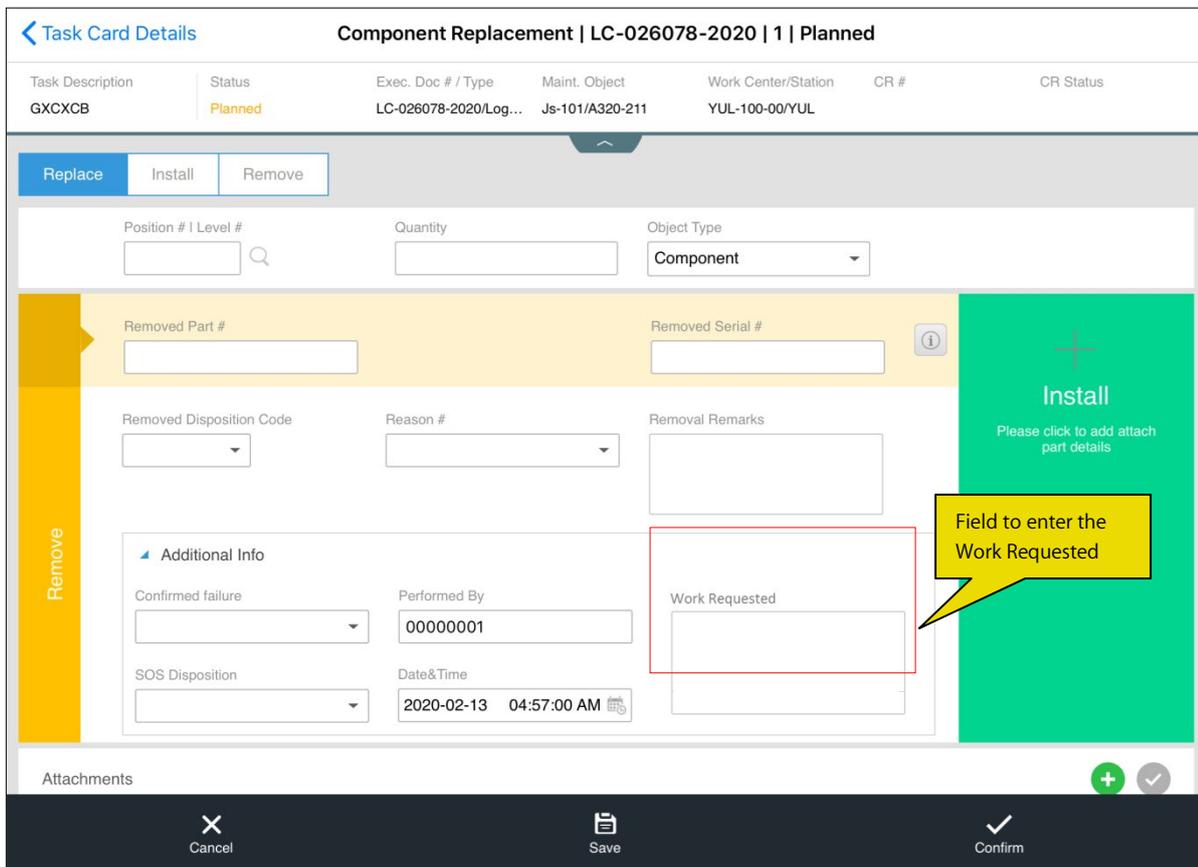
While removing an unserviceable part/component, the user needs to enter the comments or remarks about the failure of the part/component. Then the next mechanic who is going to work on the part/component can be able to start work easily. In desktop, the user can enter the need in the control 'Work Requested'.

### Change Details

To facilitate capturing the Work Requested details in **MechanicAnywhere** during component removal, following change has been introduced in **Component Replacement** screen of **MechanicAnywhere**:

- Control **Work Requested** is introduced in the **Additional Info** section of **Component Replacement** screen of MechanicAnywhere.
- User can enter the comments/Remarks about the failure of parts in the **Work Requested** control

**Exhibit 1:** Identifies the new control addition in **Additional Info** of **Component Replacement** screen of MechanicAnywhere



# Ability to show Planned Start Date instead of Package Created Date in eLog

Reference: APRP-959

## Background

In MechanicAnywhere, the data showing in E-Log is package created date. If the user changes the planned date for a package, it will not reflect in the E-Log screen and also user cannot search a package based on the planned date.

## Change Details

To facilitate to show Planned dates, following changes have been introduced in MechanicAnywhere:

- Facility to search packages by using Planned Start Date in E-Log Search section.
- Facility to enter the Planned Start and Planned End date and time during creation of package.
- Provision to see the Planned Start and Planned End date and time in Manage Package tab.

**Exhibit 1:** Identifies the changes in Search section of **E-Log** screen of MechanicAnywhere

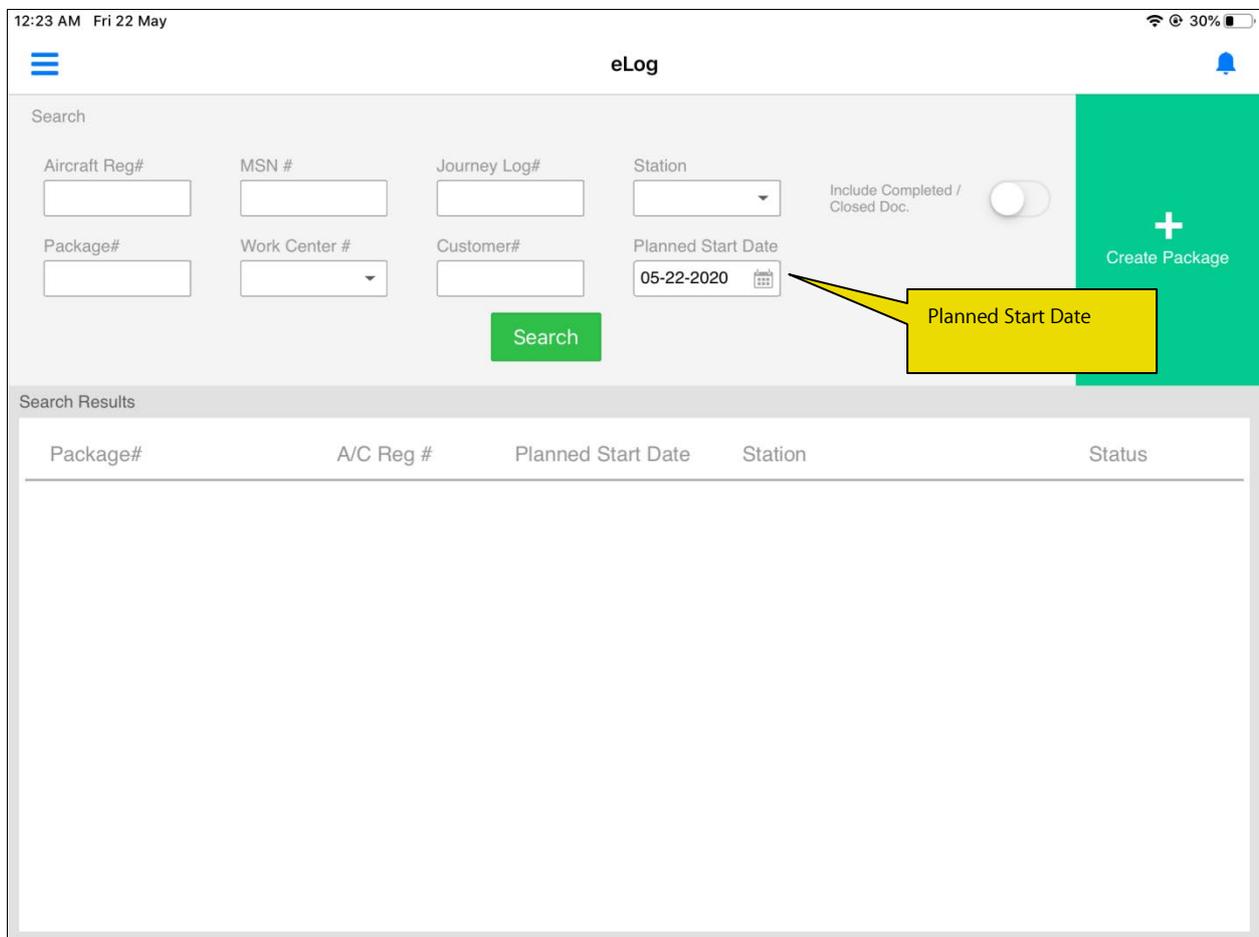


Exhibit 2: Identifies the changes in Manage Package tab of E-Log screen of MechanicAnywhere

12:28 AM Fri 22 May 29%

[eLog](#) eLog

Aircraft Reg# | Model: 1133 | B767-200    Log Card # | Ref. #: LP-000645-2020    Station: Trenton    FH: 563.00    FC:    Status: **In-Progress**

**Manage Package**    Maint./Pilot Discrepancy    Maint. Events & Task    Preview and Acceptance    Fuel / Oil Uplift

Aircraft Reg #	Planned Start Date & Time	Log Ref. #	Work Center #	Station
1133	05-21-2020 16:31:57		185-20	Trenton
Package Type	Planned End Date & Time	Ownership	Flight #	Leg #
Line Pac...	05-21-2020 20:00:17	OWNED		

▶ Flight Details

Save

*Note: Yellow callouts in the image point to the 'Planned Start Date & Time' and 'Planned End Date & Time' fields.*

## Ability to navigate to E-Log screen from task/discrepancy card screens

Reference: APRP-214

### Background

In MechanicAnywhere application, if a task or discrepancy is selected from 'Tasks' or 'Discrepancy List' screen respectively, then it directs to 'Task Card Details' or 'Discrepancy Card' screens only. Users will not be able to navigate to E-Log screen from 'Task Card Details' or 'Discrepancy Card' if the user wants to work across all the task and discrepancies in the respective package.

### Change Details

In order to facilitate easy traversal from **Task Card Details** and **Discrepancy Card** to **eLog**, the following changes have been incorporated in MechanicAnywhere.

- A new icon  is introduced in the 'Task Card Details' header. User can directly tap on this icon for directly navigating to the eLog screen. eLog screen will be launched with Maint. Events & Task tab defaulted. The task referenced from Task Card Details to be defaulted and shown in right pane.
- A new icon  is introduced in the 'Discrepancy Card' header. User can directly tap on this icon for directly navigating to the eLog screen. eLog screen will be launched with Maint./Pilot Discrepancy tab defaulted. The discrepancy referenced from Discrepancy Card will be defaulted and shown in right pane.



*Note: This new icon  will not be shown if Task Card Details and Discrepancy Card is launched for Shop Work Order.*

Exhibit 1: Identifies the new icon addition in Task Card Details screen of MechanicAnywhere

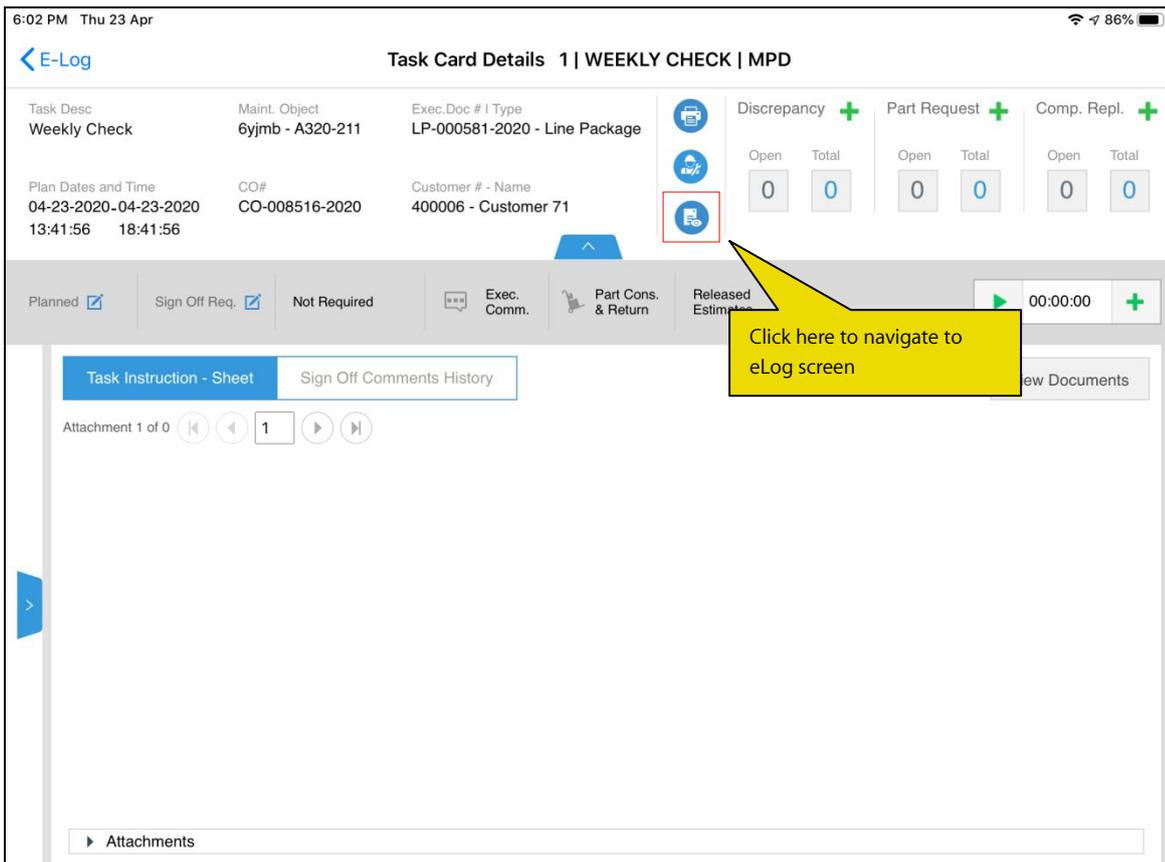
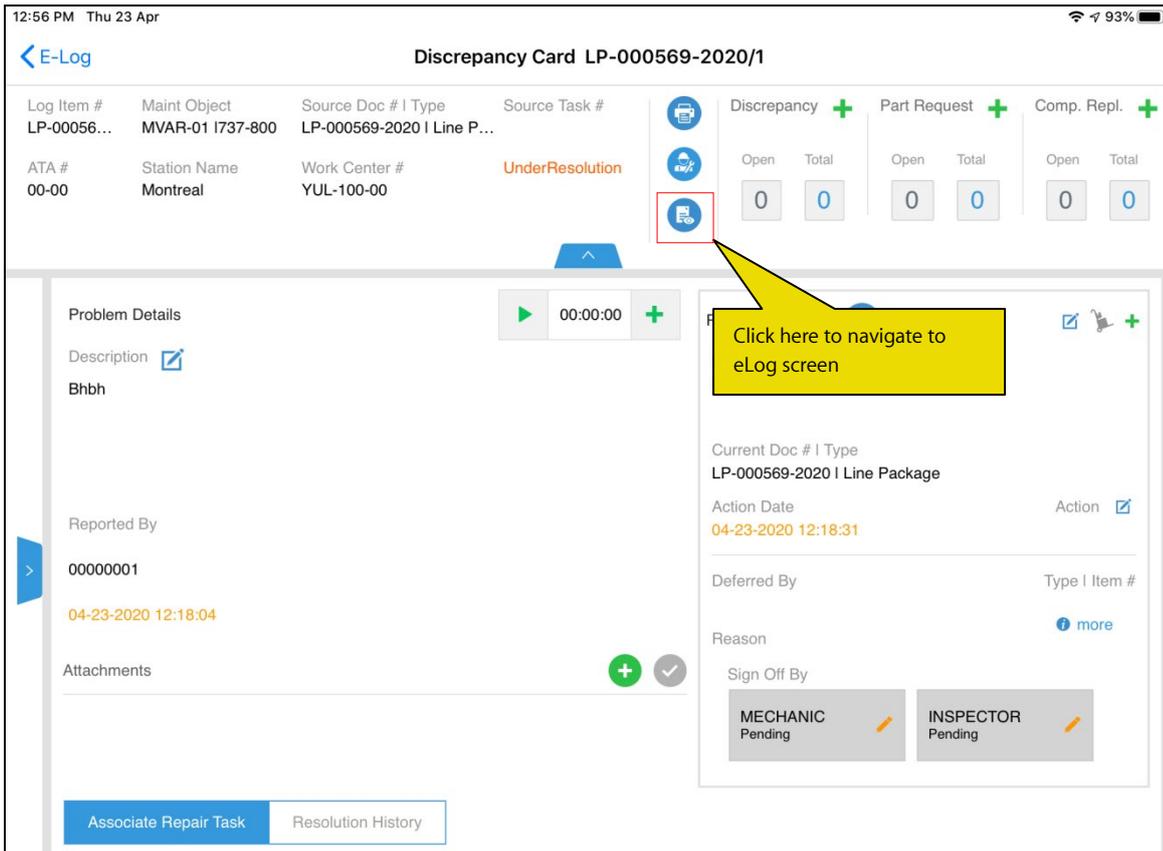


Exhibit 2: Identifies the new icon addition in Discrepancy Card screen of MechanicAnywhere



## Ability to view the Aircraft Nose # in MechanicAnywhere

Reference: APRP-276

### Background

In the Aviation industry, there are instances when the same aircraft flies across multiple geographic locations. A/C Reg # cannot be changed in our application for a single aircraft as there are complications of costing and posting involved. So users capture this information as Nose # or MSN # or Flight # as the information for the respective A/C Reg #. But in MechanicAnywhere, there is no provision to search for a package based on Nose #/ MSN #/ Flight # for the mechanics to work on.

### Change Details

- To facilitate searching a package in eLog screen of MechanicAnywhere, the following modification has been incorporated in Ramco Aviation:
  - Existing process parameter 'Display option for aircraft details in the Exec. Doc. List Page?' available under the entity type Mobility and the entity MechanicAnywhere in the **Define Process Entities** activity of **Common Master** business component is now modified to 'Display option for aircraft details?'

Process Parameter	Value	Impact in MechanicAnywhere
Display option for aircraft details?	"0" for 'Flight #'	<ul style="list-style-type: none"> <li>System will show the control beside Aircraft Reg # as Flight #</li> <li>User will be able to search for packages based on Flight # in eLog</li> <li>System will show the control beneath Aircraft Reg #   Model in the eLog header as Flight #</li> </ul>
	"1" for 'Nose #'	<ul style="list-style-type: none"> <li>System will show the control beside Aircraft Reg # as Nose #</li> <li>User will be able to search for packages based on Nose # in eLog</li> <li>System will show the control beneath Aircraft Reg #   Model in the eLog header as Nose #</li> </ul>
	"2" for 'MSN #'	<ul style="list-style-type: none"> <li>System will show the control beside Aircraft Reg # as MSN #</li> <li>User will be able to search for packages based on MSN # in eLog</li> <li>System will show the control beneath Aircraft Reg #   Model in the eLog header as MSN #</li> </ul>

- The search list in eLog will now show A/C Reg # instead of Log Ref.# in order to identify the packages immediately based on the A/C Reg # for which it is created.

Exhibit 1: Identifies the changes in eLog search screen of MechanicAnywhere

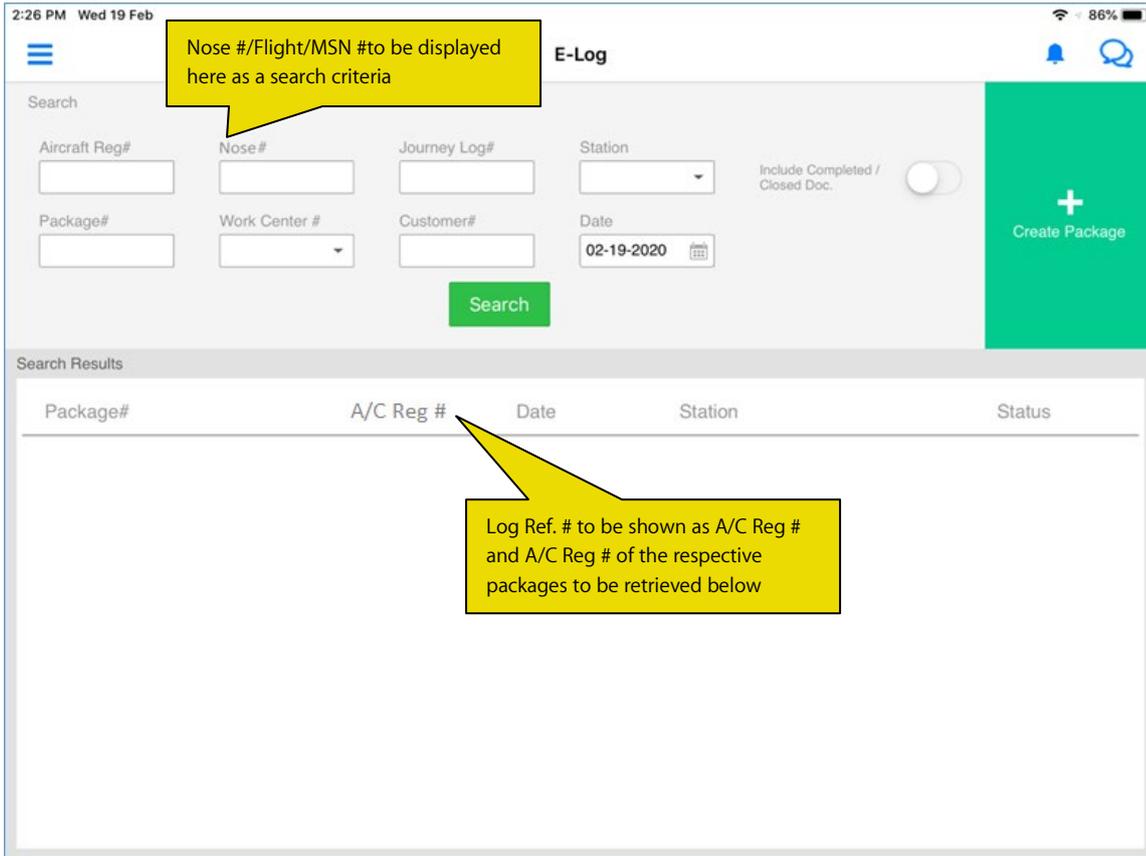


Exhibit 2: Identifies the changes in eLog header of MechanicAnywhere

The screenshot displays the 'E-Log' interface. At the top, it shows the time '10:25 AM Mon 17 Feb' and battery level '74%'. The main header includes 'E-Log' and a 'Status Planned' button. Below this is a summary row with fields: Aircraft Reg # | Model (101 | A310), Log Card # | Ref. # (LC-027416-2020), Station (Chennai Int Airp...), Date & Time (2020-02-14), FH (2840.30), and FC (1099). A 'Nose #' field contains 'VT-ANN'. There are also 'Attachments' and 'End All Clocks' buttons. A yellow callout box points to the 'Nose #' field with the text: 'Nose #/Flight #/MSN # to be displayed here'. Below the summary row are navigation tabs: 'Manage Package', 'Maint./Pilot Discrepancy', and 'Maint. Events & Task'. The main form area contains several input fields: Aircraft Reg # (101), Date & Time (2020-02-14 04:27:31 PM), Log Ref.#, Work Center # (185-20), Station (Chennai Int Airport), Package Type (Line Pac...), Ownership (OWNED), Journey Log #, Flight Code, and Leg #. A 'Flight Details' section is partially visible at the bottom, along with a world map icon and a 'Save' button.

## Ability to view all Open & Closed Discrepancies across Work Centers in Discrepancy List page if searched for an Aircraft

Reference: APRP-966

### Background

Currently in MechanicAnywhere, we show all Open and Deferred Discrepancies for a specified time range and the login user accessible work center. Hence provision to view all the open Discrepancies of the aircraft entered irrespective of the work center is enabled.

### Change Details

#### Common Master

A new process parameter 'Display Open & Closed Discrepancies across Work Centers when searched for an Aircraft in Discrepancy List page?' is added under the Entity Type 'Mobility' and Entity 'MechanicAnywhere' in the **Set Process Parameters** screen of the **Define Process Entities** activity with the following permitted values:

- 0 (No) – System will not display open & closed discrepancies across Work Centers when searched for an Aircraft in Discrepancy List page (Existing Behavior)
- 1 (Yes) – System will display open & closed discrepancies across Work Centers when searched for an Aircraft in Discrepancy List page

#### Discrepancy List

If user selects "Aircraft Reg #" in search by combo and enters a valid Aircraft Reg # without any wild card characters and "Display Open & Closed Discrepancies across Work Centers when searched for an Aircraft in Discrepancy List page?" is set as "Yes", then Work Center filter will be removed (but still all other filters like date limit and any user-set filters will be applied) and Discrepancies in Open and Closed tabs are retrieved on tap of 'Go' button in the Header section or 'Search' button in the Advanced Search section of 'Discrepancy List' screen. If user taps on a Discrepancy from the Discrepancy List page and the Discrepancy is currently in a Work Center that is not mapped/accessible to the login user, then the user will be validated.

Exhibit 1: Identifies the Discrepancy List screen in MechanicAnywhere

**Discrepancy List**

Search By: A/C Reg # Js-101

Advanced Search

47 Open | 0 Deferrals | 0 Closed

Discrepancy ID	Status	Priority	Resolution	Start Date	Time
Dp-check-2	Pending RII	Not Required	Under Resolution	01-30-2020	02:07:11
Dp-check-3	Pending RII	Not Required	Under Resolution	01-30-2020	01:56:16
Dp-check-4	Signed Off	Not Required	Under Resolution	01-30-2020	08:54:00
Dp-check-5	Signed Off	Not Required	Under Resolution	01-30-2020	08:54:00
Dp-test-scom	Not Required	Not Required	Under Resolution	01-30-2020	04:30:00

**Callout 1:** If searched for a valid Aircraft, then based on set option, fetch all Discrepancies across Work Centers

**Callout 2:** If user taps on a Discrepancy which is available in a Work Center for which he has no access, do not open the Discrepancy card and validate

## Ability to restrict the launch of the Record Discrepancy Write Up popup if Source Doc is set as Mandatory

Reference: APRP-974

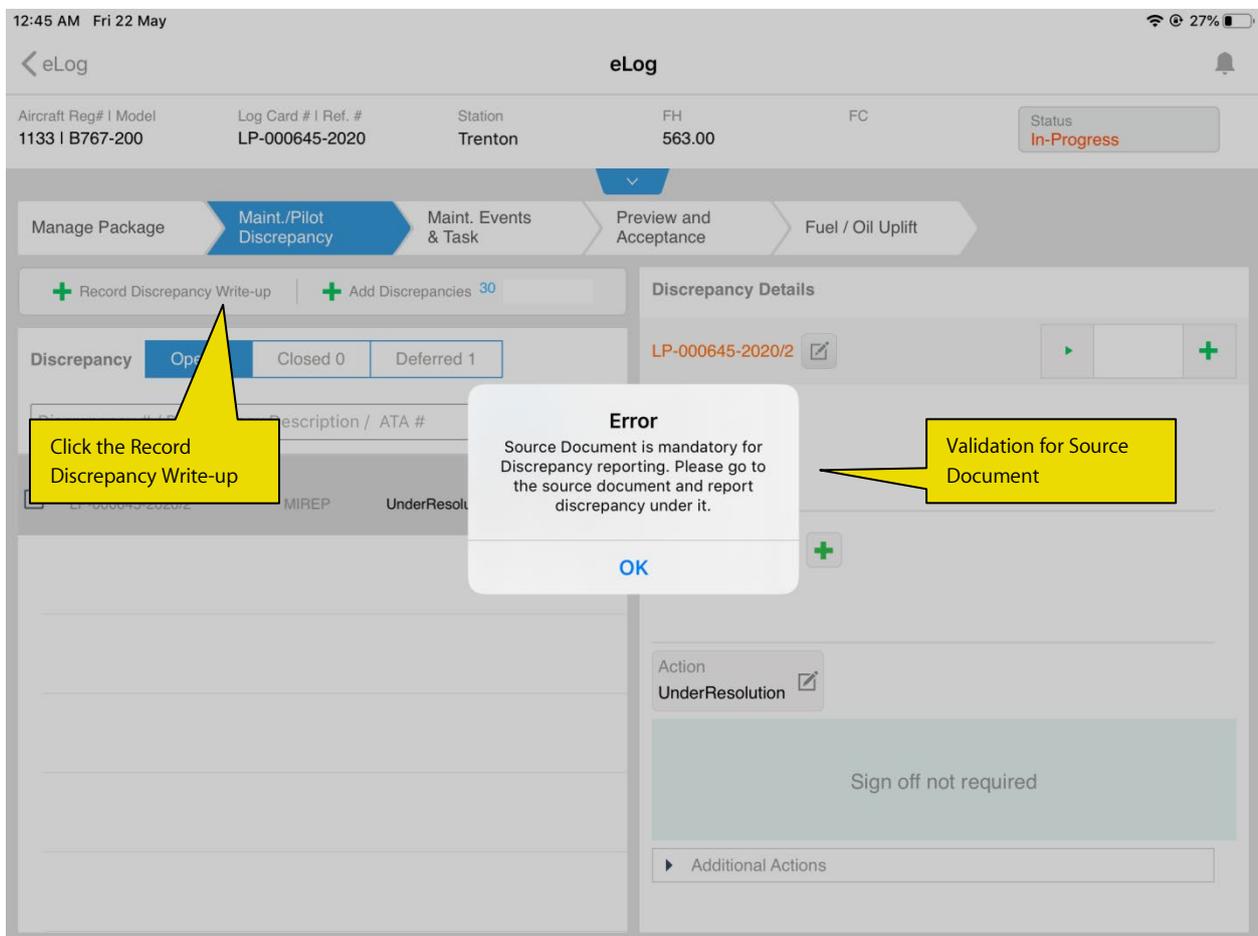
### Background

Mechanic launches the 'Record Discrepancy Write Up' popup from Maint./Pilot Discrepancy tab to create the discrepancy without Source Task/Discrep. #. If the set option to mandate source document for discrepancy is turned on and user launches the 'Record Discrepancy Write Up' popup and enters the details, then on click of create, the system validates for Source Task/Discrep. #.

### Change Details

If the set option 'Mandate Source Document on Discrepancy Reporting ?' is set as "1" (Yes), then on click of 'Record Discrepancy Write Up' from Maint./Pilot Discrepancy tab, system should validate as follow: 'Source Document is mandatory for Discrepancy reporting. Please go to the source document and report discrepancy under it'.

**Exhibit 1:** Identifies the changes in **Maint./Pilot Discrepancy** tab of eLog screen



## WHAT'S NEW IN LINEANYWHERE?

### Ability to capture Log Item # for Tasks in LineAnywhere

Reference: APRP-667

#### Background

When an Engineering Order is given for executing task, customers keep a record of this executed task in their personal logbook. This logbook maintains a record of all the tasks and discrepancies executed. When this task execution is recorded in our application, there is a need to capture the Logbook # also. This provision is currently available for discrepancies. So, an explicit provision for capturing and mandating the Log Item # similar to Discrepancy is required when task is being executed in LineAnywhere. This provision will ensure a handshake between customer logbook and an executed task recorded in our application.

#### Change Details

- New editable field **Log Item #** is introduced in both **Task Additional Info** and **Change Status / E-Sign Off** popups in order capture the Log Item # for a task in LineAnywhere.
- This Log Item # captured for a task will be shown in desktop as well. New display only field **Log Item #** is added in the **Work Execution Details** multiline of **View Work & Sign-Off Information** screen. This field will show Log Item # captured for both task and discrepancy.
- To facilitate mandating of Log Item # for task in **LineAnywhere**, the following modification has been incorporated in Ramco Aviation:

New process parameter 'Mandate Log Item # during task status change in LineAnywhere app?' available under the entity type Package Type and the entity All user defined package types including Logcard in the Define Process Entities activity of Common Master.

Process Parameter	Value	Impact in LineAnywhere
Mandate Log Item # during task status change in LineAnywhere app?	"0" for 'No'	<ul style="list-style-type: none"> <li>• System will not mandate Log Item # to be entered during task status change</li> </ul>
	"1" for 'Completed/ Closed Only'	<ul style="list-style-type: none"> <li>• System will mandate Log Item # to be entered if task status is changed to 'Completed/ Closed' from Change Status / E-Sign Off popup</li> <li>• If Log Item # is entered from Task Additional Info popup, then system will not mandate Log Item # to be entered from Change Status / E-Sign Off popup for task status change.</li> </ul>
	"2" for 'Pre-Closed Only'	<ul style="list-style-type: none"> <li>• System will mandate Log Item # to be entered if task status is changed to 'Pre-Closed' from Change Status / E-Sign Off popup</li> <li>• If Log Item # is entered from Task Additional Info popup, then system will not mandate Log Item # to be entered from Change Status / E-Sign Off popup for task status change.</li> </ul>

	"3" for 'Completed, Closed & Pre-Closed'	<ul style="list-style-type: none"> <li>• System will mandate Log Item # to be entered if task status is changed to 'Completed/ Closed/ Pre-Closed' from Change Status / E-Sign Off popup</li> <li>• If Log Item # is entered from Task Additional Info popup, then system will not mandate Log Item # to be entered from Change Status / E-Sign Off popup for task status change</li> </ul>
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#### Task Additional Info & Change Status / E-Sign Off popups

The new field Log Item # accepts entry of alpha-numeric characters as well as symbols. From here, users will be able to enter as well modify Log Item # for a task. This control will also display already entered Log Item # for a task. Modification of Log Item # will not be allowed for a task in other than 'Planned/ In-Progress/ Completed/ Deferred/ In-Complete' status. Unique Log Item # has to be entered for all tasks in packages having the same A/C Reg #. Log Item # entered from Task Additional Info popup will be shown in Change Status / E-Sign Off popup. User can modify Log Item # before the status change if needed.

#### Transfer Work Package

On transferring of a task with Log Item #, a check will be done to ensure uniqueness of the captured Log Item # with other tasks in packages having the same A/C Reg #. If there's any duplicate entry of Log Item # has occurred, then users will be able to modify the same after transfer from desktop.

New attribute **Log Item #** has been added in the **Manage Transfer Info** popup which will show the captured Log Item # and allow the user to modify the value. Any error packages that has Log Item # related errors will be listed under **Tasks** error count tile.

Exhibit 1: Identifies the new field Log Item # in Task Additional Info popup of LineAnywhere

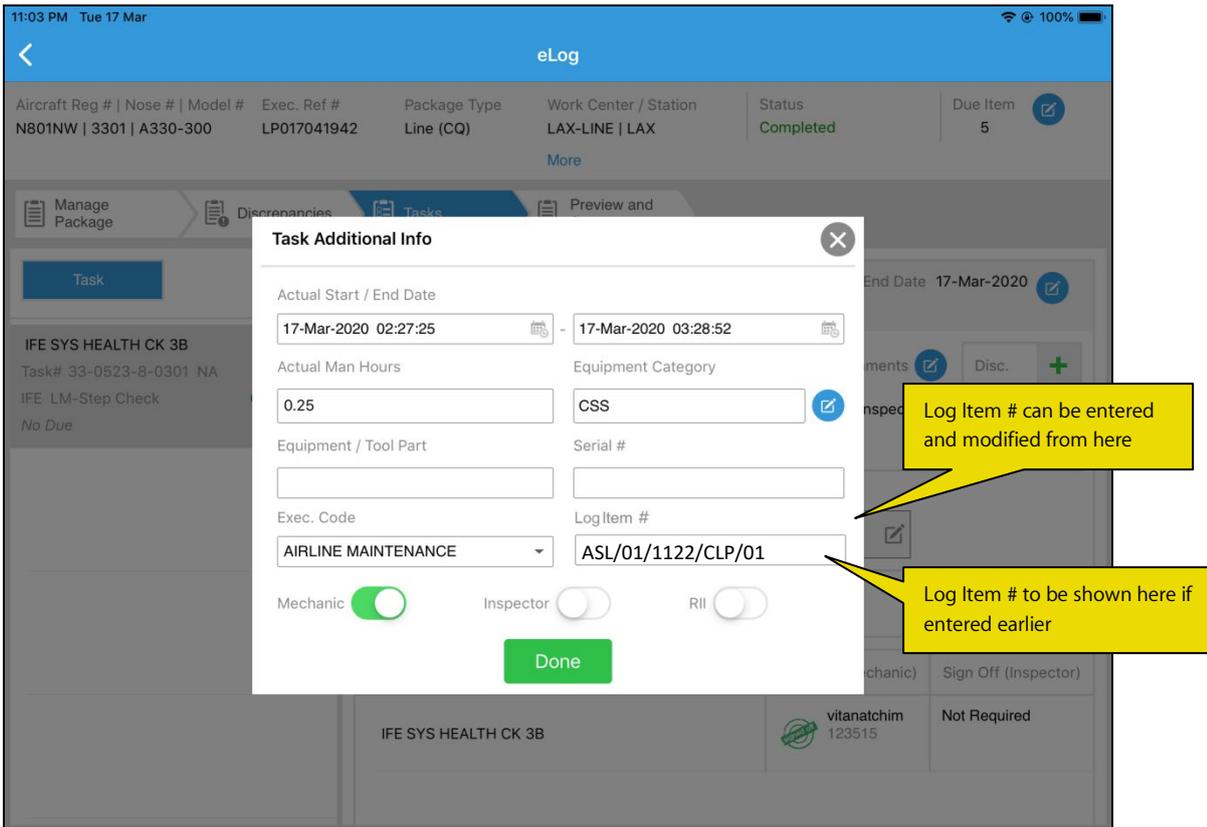


Exhibit 2: Identifies the new field Log Item # in Change Status / E-Sign Off popup of LineAnywhere

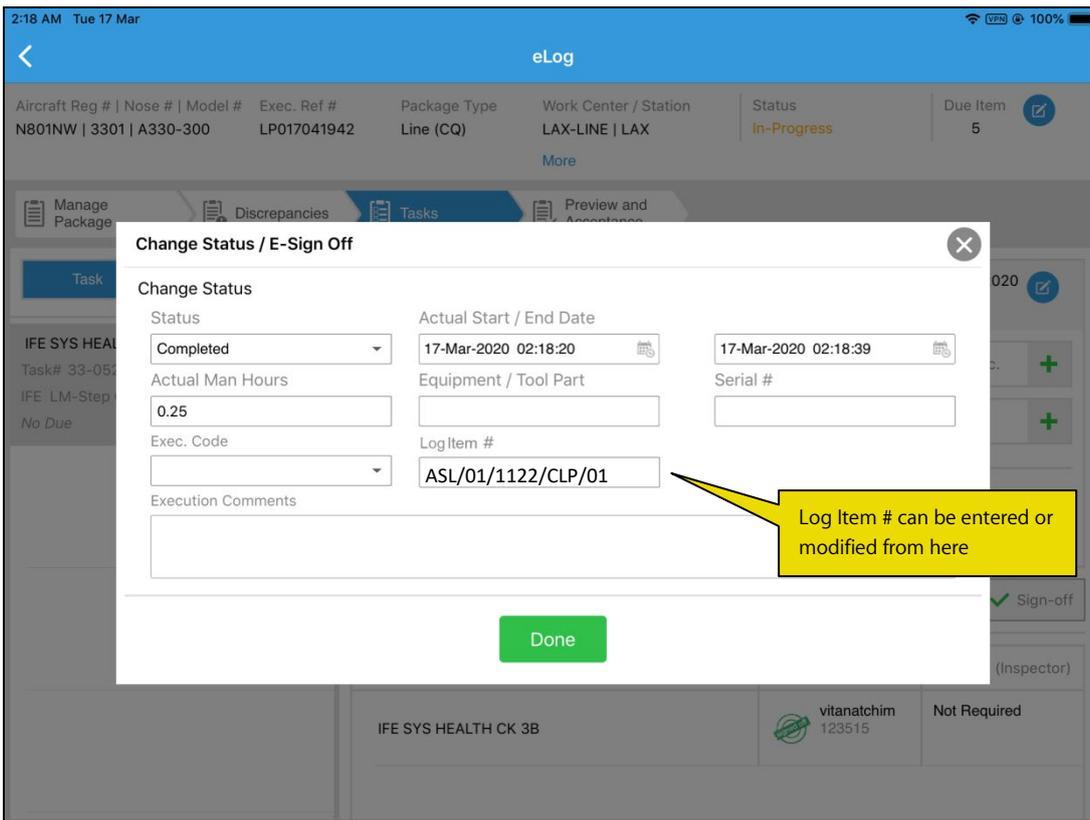


Exhibit 3: Identifies the new field Log Item # in View Work & Sign-Off Information screen

View Work & Sign-off Information

Execution Ref # Log card VP-013423-2020 Status In-Progress  
Aircraft Reg. # 1000 Log #

Discrepancy # [ ] Get Details Discrepancy Description

#	Task #	Task Description	Execution Status	Task Type	ATA #	Sign-Off Info	RII Sign-Off	Addl Sign-Off	Execution Comments	Recorded By	Log Item #	Job Type	A/C Level #	Position Code
1	NST-013709-2020	fuel valve leak	Completed	MPD	00-00	Signed - Off	N		valve changed		ASL/01/122	Aircraft		
2	NST-013713-2020	TASK-1	In-Progress	Non Routine	00-00	Pending Mechanic	N		tested			Aircraft		
3	CDP-009737-2019	fuel valve leak	In-Progress	Non Routine	00-00	Signed - Off	N					Aircraft		
4	DP-000358-2016	Dhfdhf	In-Progress	Non Routine	00-00	Pending	N		Vhfdn					
5	DP-000369-2016	Fghgggh	In-Progress	Non Routine	00-00	Pending	N		Ggffgfd					

Log Item # captured to be shown here for both task and discrepancy

View Comments Information View Associated Doc. Attachments Print Task/Discrepancy Card

Work Unit Sign-off Information  
Line # 1  
Resource Group [ ] Display Option Subtask level [ ]  
Get Details

Flight Log -> View A/C Maint. Exc. Ref # Last Login on 10-3-2020 at 11:49:00 58 Minute(s) 12:54 PM

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