RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.8

Maintenance

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WHAT'S NEW IN COMPONENT MAINTENANCE PROGRAM?

Ability to manage Schedules of Part & Components for multiple combinations

Reference: APSE-340

Background

In Ramco Aviation, currently the date or usage based on maintenance schedules are defined for each part / component. However, in some MRO organizations, schedules may vary for parts / components for various levels, such as Model #, Position Code, or Operator # or possibly more entities or a combination of multiple entities. Hence, a facility whereby the users can define schedules for an entity or a possible combination of entities must built in the system.

Change Details

To enable the users to define and maintain schedules for parts / components for a specific levels or combination of levels, new activity **Manage Schedule Adjustments for Components** has been added under the **Component Maintenance Program** business component. A brief description of the new user interface is given below:

- In the **Manage Schedule Adjustments for Components** activity, the users can define schedules for parts / components at the following levels:
    - Model #
    - Position Code level
    - Operator
    - Model - Operator
    - Operator - Position Code
- The following details of the schedule adjustments can be recorded for a part:
    - Model #
    - Configuration Class
    - Position Code
    - Operator #
- The **new activity** provides links to **Edit Date-Based Schedules** , **Edit Value-Based Schedules and Define Aircraft Effectivity information** to enable the users to make schedule adjustments at different levels. The new schedules will be overwriting the existing date-based and value-based schedules for the part at the specified level on attachments.
- The users can search and retrieve specific parts to define or update schedule adjustments.
- The schedule adjustments in the parts can be carried over to the associated components as well. The schedule adjustments can be saved and any changes or additions can also be made at a later point of time.
- The adjusted part's schedule adjustments can be activated or deactivated in the new activity.

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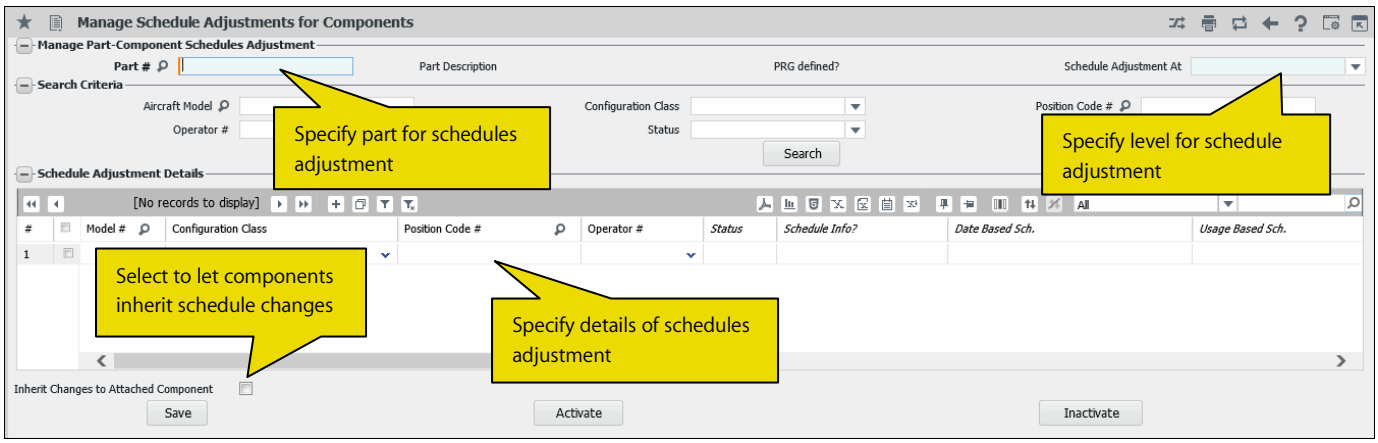
Exhibit 1: The **Manage Schedule Adjustments for Components** screen in **Component Maintenance Program**



WHAT'S NEW IN MAINTENANCE CHANGE REQUEST?

Ability to capture the part effectivity with PN range, MOD range, Mfr. Date range, Repair date range in MCR

Reference: APSE-64

Background

Currently, the **Maintenance Change Request** (MCR) business component allows the users to setup the part effectivity for MCR documents on the basis of Part #, Part Description and Manufacturing #. However, a provision is required wherein part effectivity for MCR can be defined by means of additional attributes, such as Repair Agency, Aircraft Model #, Mod #, etc. for enhanced mapping of components to MCR.

Change Details

To enable the users to setup and maintain greater part effectivity for MCR, the following new developments have been incorporated in the **Maintenance Change Request** business component in **Engineering Document**:

- New link - **Edit Advanced Part Effectivity** has been added in the **Create Maintenance Change Request**, **Edit Maintenance Change Request**, **Revise Maintenance Change Request** and **View Advanced Part Effectivity** pages. On click of the **Edit Advanced Part Effectivity** link, the **Edit Advanced Part Effectivity** page appears.
- The **Edit Advanced Part Effectivity** page will enable the users to setup part effectivity for MCR based on additional attributes including:
    - Specific Part #
    - Range of Part #
    - Linked Part #
    - Specific Mod #
    - Range of Mod #
    - Aircraft Model #
    - Range of Manufacturing Dates
    - Range of Repair Order Dates
    - Repair Agency
    - Restriction Code

- Note that the **Edit Advanced Part Effectivity** page that will be accessible from the **View Advanced Part Effectivity** page will be a display-only page with no active pushbuttons.
- However, the new **Edit Advanced Part Effectivity** page and the existing **Edit Recommended Part Effectivity page** will be mutually exclusive of each other. The value set for the process parameter 'Enable Advanced Part Effectivity for MCR?' under the entity type Eng. Doc. Type and the entity All Eng. Doc in the Define Process Entities activity of Common Master will decide which of the two links is available in the **Create Maintenance Change Request**, **Edit Maintenance Change Request**, **Revise Maintenance Change Request** and **View Advanced Part Effectivity** pages. The following table illustrates the condition in which the links will appear in the foresaid pages.

Process Parameter: Enable Advanced Part Effectivity for MCR?	
1for Yes	The **Edit Advanced Part Effectivity** link will be available in the **Create/Edit/Revise/View Maintenance Change Request** pages
0 for No	The **Edit Recommended Part Effectivity** link will be available in the **Create/Edit/Revise/View Maintenance Change Request** pages

Exhibit 1: Indicates the new link in the **Edit Maintenance Change Request** screen

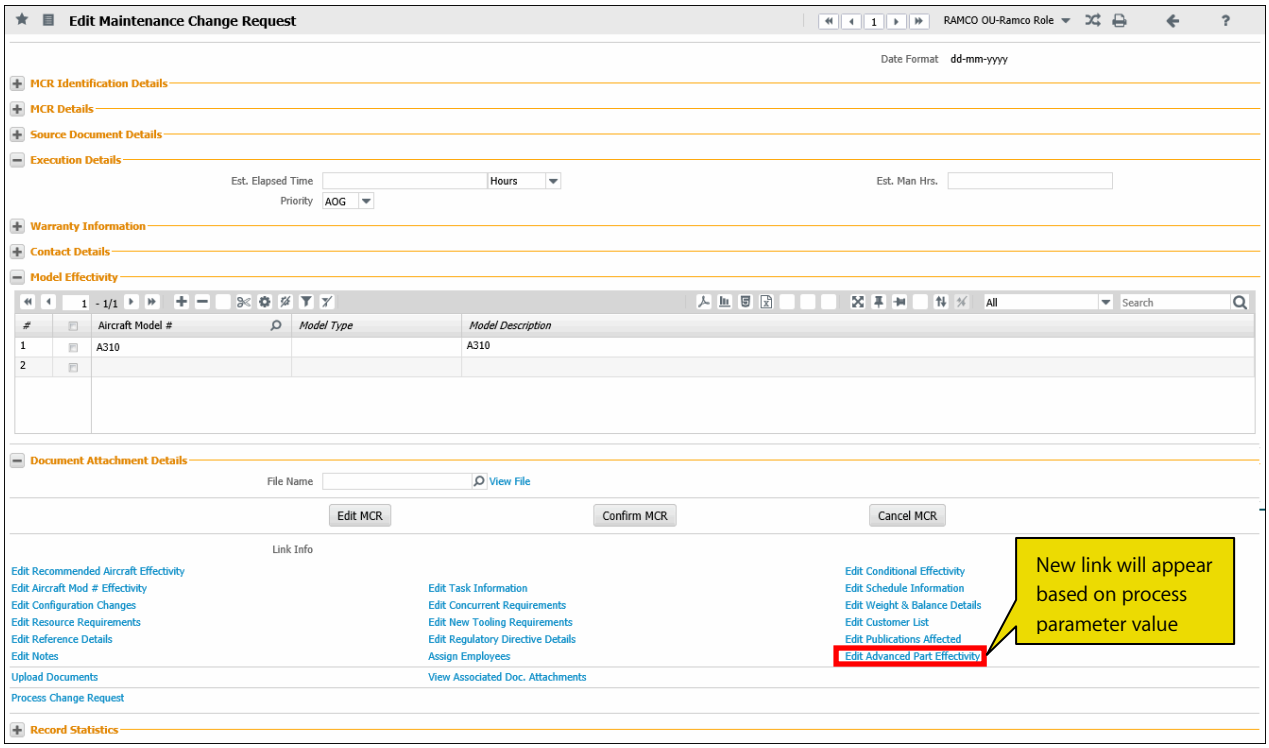
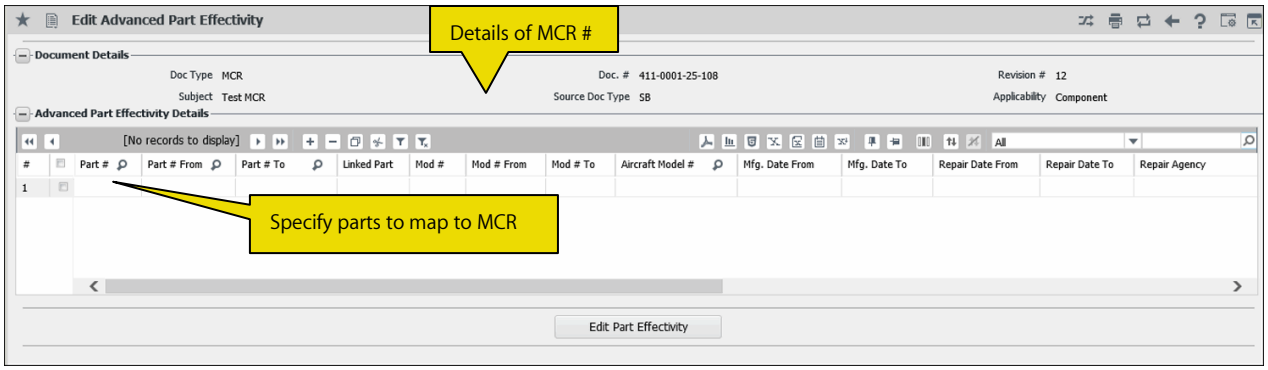


Exhibit 2: Indicates the new **Edit Advanced Part Effectivity** screen in **Maintenance Change Request**



WHAT'S NEW IN ENGINEERING DOCUMENT?

Ability to capture the key attributes of the Eng. Doc (Mandatory and Reliability Impact) in the MCR and identify the EO initiated by customer

Reference: APSE-48

Background

In the Aviation industry, The OEM's and the regulatory agencies, such as FAA, EASA publish Service Bulletins (SB) and Airworthiness Directives (AD) for enhancing the safety and efficiency of flight components and their operations. In Ramco Aviation, the Maintenance Change Request (MCR) documents are created on the basis of the SB and AD and such other documents. To facilitate the implementation of MCR, the engineering documents are created which then become the sources for execution documents. However, to identify the engineering order reference for MCR, a provision to capture the key attributes of the engineering orders in the MCR is required and must be supported by the Ramco Maintenance function.

Change Details

To facilitate the capture of the key attributes of the engineering documents in MCR, the following changes have been incorporated in the **Maintenance Change Request** business component of **Engineering Document**:

- The **Create Maintenance Change Request**, **Edit Maintenance Change Request** and **Revise Maintenance Change Request** screens will now have two new drop-down list boxes – **Mandatory?** and **Reliability Impact?** in the **MCR Details** section

    - Mandatory? – This attribute will stipulate whether the execution of the MCR is mandatory on the maintenance object or not
    - Reliability Impact? This attribute will indicate whether the execution of the MCR on the maintenance object will affect the reliability` of the maintenance object. For instance, on execution of the MCR, the life / efficiency of the component could get better or unscheduled removals may decrease.

- Two new display-only fields - Mandatory? and Reliability Impact? have been added in the **MCR Details** section of the **View Maintenance Change Request** activity

- In the Select pages of the **Edit Maintenance Change Request, Revise Maintenance Change Request** and **View Maintenance Change Request** activities, the search function has been enhanced in the following way:
    - The **User Status** field has been removed and instead **Additional Search** filter has been added in the **Search Criteria** section. However, the **Additional Search** filter will have three options namely, User Status, Mandatory? And Reliability Impact?.in the **Select** pages of the **Edit Revise Maintenance Change Request** and **Revise Maintenance Change Request activities. The Additional Search** filter in the **Select** page of the **View Maintenance Change Request** will offer only two options - **Mandatory?** And **Reliability Impact?** for retrieving maintenance change requests.

Exhibit 1: The **Create Maintenance Change Request** screen in **Maintenance Change Request**

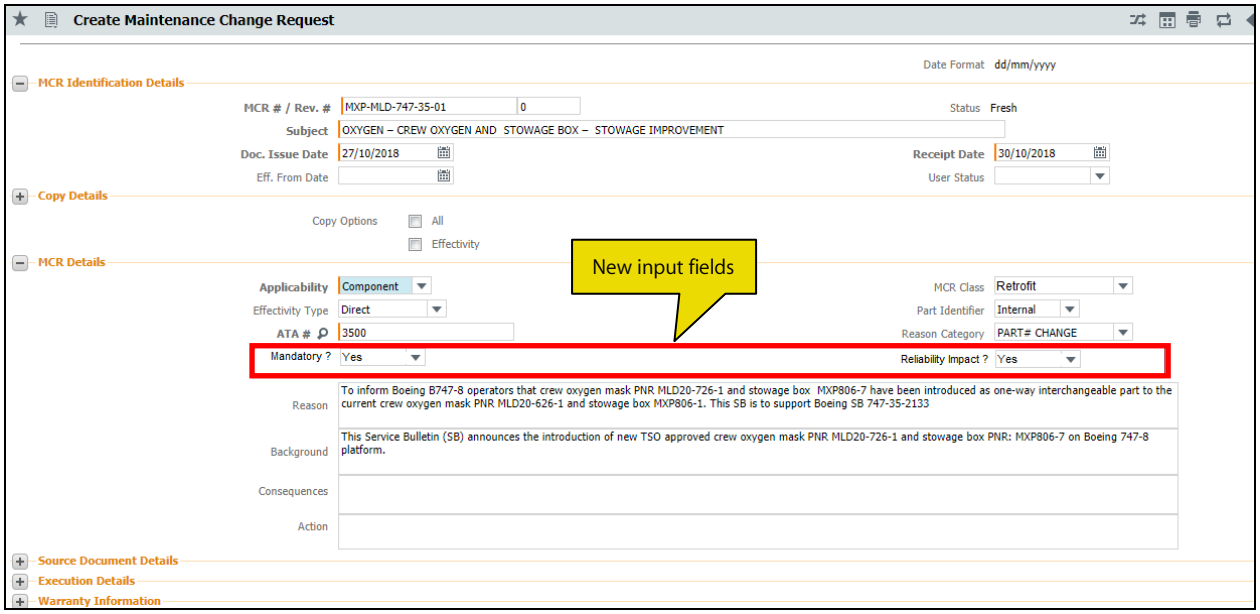


Exhibit 2: The **Select View Maintenance Change Request** in the **Review Maintenance Change Request** screen

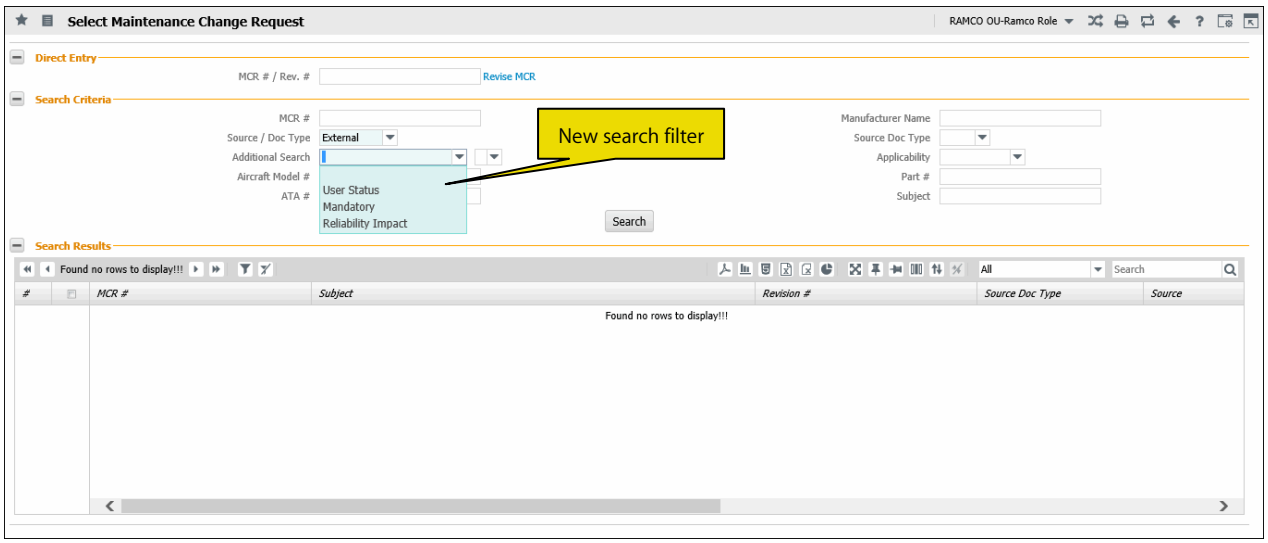


Exhibit 3: The **Revise Maintenance Change Request** screen in **Maintenance Change Request**

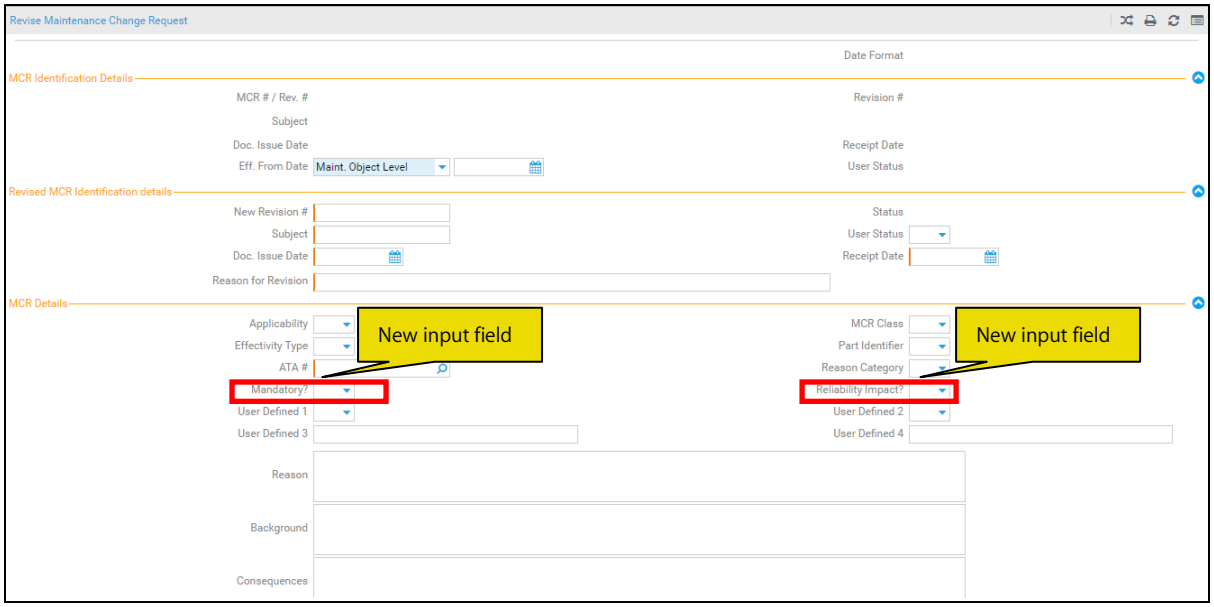


Exhibit 4: The **Select View Maintenance Change Request** in the **View Maintenance Change Request** screen

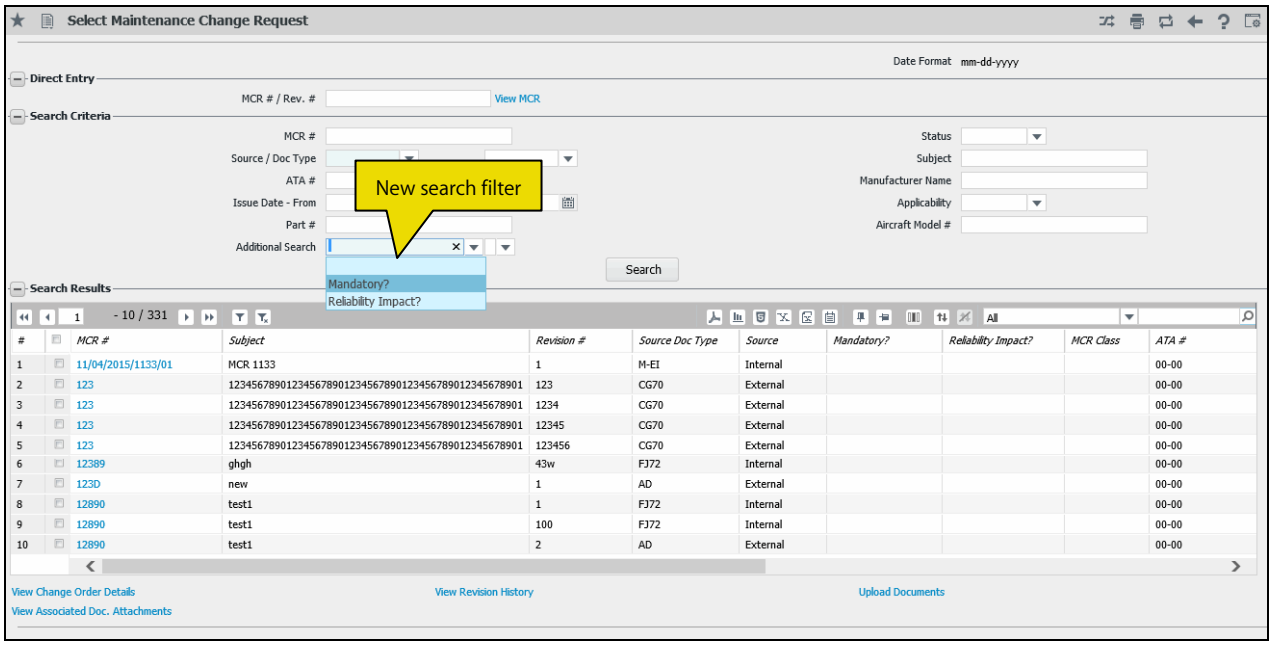
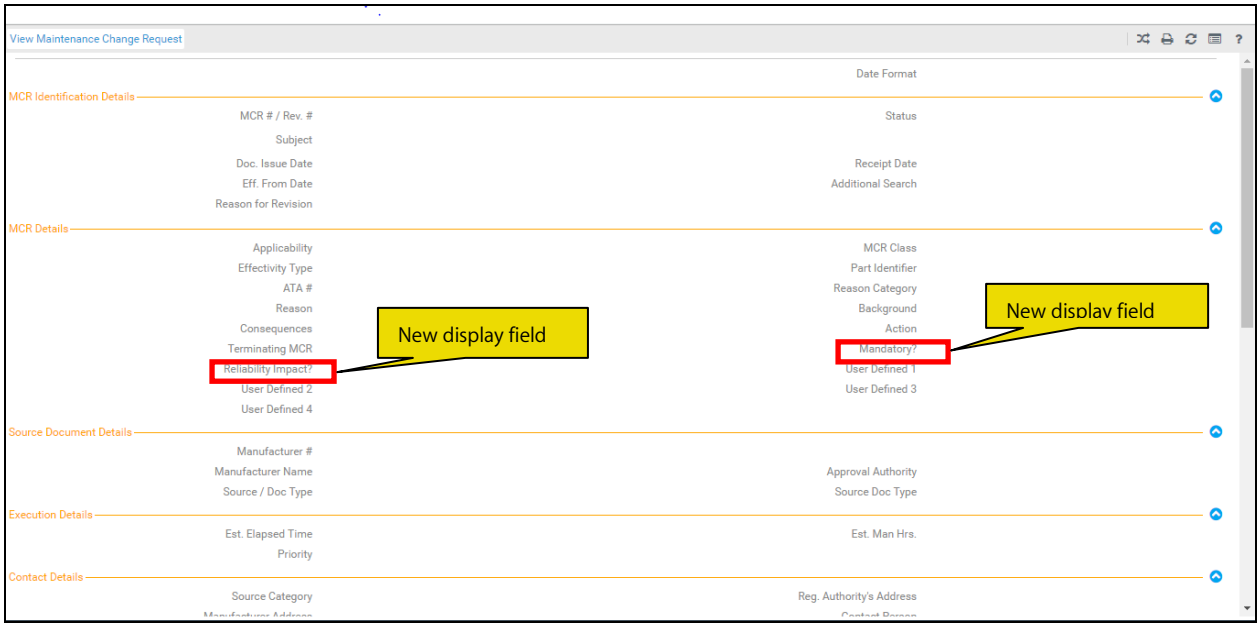


Exhibit 5: The **View Maintenance Change Request** screen in **Maintenance Change Request**



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