

RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.3

Maintenance

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What's New in the Work Reporting Hub?

To default tasks or discrepancies selected to facilitate part request

Reference: AHBG-14390

Background

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

Change Details

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

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

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

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

Exhibit 1: The Work Reporting Hub screen

Work Reporting Hub

I want to ☐ Create ☒ Work on Aircraft Maint. Exe. # Go Reporting Date Time

VP-001122-2017 Package Type Aircraft Reg # Work Center # Complete

Document Info

Package Dates
 Planned Start Jun 21 2017
 Actual Start Jun 29 2017
 Planned End Jun 21 2017
 Actual End
 Delayed Start by 8 Day(s)

Work Progress
 Tasks (Open/Total) 3 / 3
 Discreps. (Open/Def/Total) 0 / 0 / 0
 Tot. Est. Man Hrs. 3
 Tot. Act. Man Hrs. 0
 0% Completed

Object Info
 A/C Model # B767-200
 A/C MSN 842
 Last JLog # JL-0001182013
 Next Due in

Reference Info
 Log Ref#
 Station YEG
 Exe. Category 1-Repair
 CAPEX Prop. #
 AOG Priority

Material Info (Pending / Total)
 Request 1 / 2
 Issue 0 / 1
 Replace 2 / 3
 Return 1 / 1
 Parts Hub

Task / Discrepancy

Toggle Views Task Discrepancy

3 ALL 2 Planned 1 In-Progress 0 Completed 0 Other View: Simple Detail

| # | Error | CS | IWS | Seq | Task # | ATA # | Description | Execution Comments | Status | Source Task/Discrep. |
|---|-------|----|-----|-----|-----------------|-------|-------------|--------------------|-------------|----------------------|
| 1 | | | | 1 | NST-004669-2017 | 00-00 | test | | In-Progress | |
| 2 | | | | 2 | NST-004670-2017 | 32 | test | | Planned | |
| 3 | | | | 3 | NST-004671-2017 | 21 | test | | Planned | |
| 4 | | | | | | | | | | |

Tasks / discrepancies selected in the multiline parameters

Start Clock Stop Clock Reset Save Complete Report Discrep. Task Action Hold Release

Request Part Change Part Sign Off Subtasks Quick Links

Exhibit 2: The Parts Hub screen

Parts Hub

Search VP-001122-2017 Task / Discrep. # Type Status Description Rep. Time

Part Requirements / Request Part Attach / Remove

2 ALL 0 Material Not Available 0 Need Date Crossed 0 Pending New Part Creation View: Simple Detail

| # | Error | MS | AVL | Source Task/Discrep. # | Seq # | Tracking # | Part # | Required Qty | Qty. Available | UOM | Priority | Stock Status | Warehouse # | Part Description | Need Date |
|---|-------|-----|-----|------------------------|-------|------------|----------------|--------------|----------------|-----|----------|--------------|-------------|------------------|------------|
| 1 | | | | NST-004669-2017 | 1 | | | | | | | | | | |
| 2 | | | | NST-004670-2017 | 2 | | | | | | | | | | |
| 3 | | | | NST-004671-2017 | 3 | | | | | | | | | | |
| 4 | | No | | NST-004669-2017 | 1.00 | 1 | 1475M64G01:074 | 3.00 | 0.00 | FA | Normal | Aveos Owned | 0123 | SHIFD | 2017-06-29 |
| 5 | | Yes | | NST-004669-2017 | 1.00 | 1 | OPTIMOLYWHITET | | 7.00 | EA | Normal | Aveos Owned | 0123 | ANTI FRETTING | 2017-06-29 |
| 6 | | | | | | | | | | | | | | | |

Available part requests for Tasks / discrepancies selected in the multiline parameters

Save Part Requirement Request Part Check Part Av

Exhibit 3: The Set Process Parameters screen

Set Process Parameters

Entity Type: **Package Type** Entity: **--All Packages--**

Record Status: **Active** Process Parameters Defined?: **Yes**

Process Parameter List

| # | Process Parameter | Permitted Values | Value | Status | Error Message |
|----|--|---|-------|---------|---------------|
| 1 | Default Context Date? | Enter "0" for 'Not Required', "1" for 'Required' | 1 | Defined | |
| 2 | Default Home Base? | Enter "0" for 'Not Required', "1" for 'Aircraft Base', "2" for 'Employee Base' | 0 | Defined | |
| 3 | Planning Horizon (Days). | Enter a Positive Integer | 100 | Defined | |
| 4 | Re-Sequence Multiplication Factor | Enter a integer between 1 to 99999 | 100 | Defined | |
| 5 | Default Assignment by | Enter "0" for 'Tasks', "1" for 'Skill', "2" for 'Work Area', "3" for 'Zone', "4" for 'ATA #' | 1 | Defined | |
| 6 | Allow Issue of Serviceable parts having Over-Due / Retirement Tasks? | Enter "0" for 'Not Allowed', "1" for 'Allowed' | 0 | Defined | |
| 7 | Default Filter Criteria in the Task Details tab of Edit Package Additional Information | Enter "0" for 'Workscoping Items', "1" for 'Additional Items', "2" for 'Detailed Items' | 1 | Defined | |
| 8 | Task status change on Material Issue confirmation? | Enter "0" for 'Not Required', "1" for 'Required' | 1 | Defined | |
| 9 | Allow generation of part tag before confirmation of component replacement? | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 10 | Default Actual Hours as Task Est. Elapsed Time during Resource Actuals update? | Enter "0" for 'No', "1" for 'Yes' | 0 | Defined | |
| 11 | Include alternate parts and stock statuses for display of Available Parts | Enter "0" for 'No', "1" for 'Yes' | 0 | Defined | |
| 12 | Allow status change of discrepancies which are already assigned | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 13 | Allow status change of discrepancies from more than one package | Enter "0" for 'No', "1" for 'Yes' | 0 | Defined | |
| 14 | Allow modification of authorized time sheets | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 15 | Validate Warehouse - User Mapping during creation of MR from Package | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 16 | Restrict display of Package and Unprocessed Discrepancies in Work Reporting Hub | Enter "0" for 'No', "1" for 'Yes' | 0 | Defined | |
| 17 | Default Mode on Page Launch for Work Reporting Hub? | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 18 | Default last worked Exe. Doc. for the login user in Work Reporting Hub | Enter "0" for 'No', "1" for 'Yes', "2" for 'Both In-Progress and Completed' | 2 | Defined | |
| 19 | Allow reuse of Log Ref # across Aircrafts? | Enter "0" for 'No', "1" for 'Yes' | 1 | Defined | |
| 20 | Number of remaining days to be considered to mark an item as Over-Due Item? | Enter a number from "0" to "99" | 3 | Defined | |
| 21 | Default Tasks/Discrepancies as New Records in the Part Requirements/Request tab | Enter "0" for 'Not Required', "1" for 'Required without Existing Records', "2" for 'Required with Existing Records' | 2 | Defined | |
| 22 | | | | | |

New process parameter to selectively default part requests for tasks / discrepancies selected in the Work Reporting Hub

Set Process Parameters

What's New in Shop Work Order?

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

Reference: AHBG-14141

Background

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

Change Details

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

- In the Certificate of Maintenance tab, the following check boxes have been added:
 - New: Indicates the part has been approved for use.
 - Prototype: Indicates the part is awaiting approval for use.
- In the Certificate of Conformity tab, the following check boxes have been added:
 - New: Indicates the part has been approved for use.
 - Prototype: Indicates the part is awaiting approval for use.
 - Fabricated: Indicates the part has been fabricated.
 - Modified: Indicates the part has been modified to create a variant of the part.



Note: The system allows users to select the above check boxes only for work orders of job type 'Make' in both Certificate of Maintenance and Certificate of Conformity tabs.

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

The following table illustrates the functioning of the process parameter.

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

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

The screenshot displays the 'Issue Certificates' application window. The 'Certificate of Maintenance' tab is active. The interface includes sections for 'Issue Details', 'Main Core Details', 'Reference Details', 'Certificate Details', 'Document Attachment Details', and 'Authorization Details'. A yellow callout box highlights the 'New' and 'Prototype' checkboxes under the 'Inspected/Testing' section, with the text 'New check boxes for 'Make' work orders'.

Issue Details:

- Create Certificate (selected), Reprint Certificate, Replace Certificate
- Reference Type: Work Order #, Reference #, Get Details
- Certificate #, Printed?, Paper Doc #, Numbering Type, # of Copies, Certificate Status, Replaced Cert #

Main Core Details:

- Part #, Mfr. #, Lot #, Mfg. Serial #, Component #, Serial #, Mfr. Part #, Qty., Mfg Lot #, Multiple Cores?, Part Description

Reference Details:

- Work Order #, Order Description, Event #, Customer #, Customer Order #, Customer PO #, Ref Doc #/Rev #, Rev Date, Final Disposition: 1-REPAIR
- Shelf Life Exp Date, Work Status: Advance Exchange, Inspect, Repair, Overhaul, Modify, Inspected/Testing (selected), New (checked), Prototype

Certificate Details:

- Certifying Remarks, Eligibility

Document Attachment Details:

- File Name, Upload Documents, View Associated Doc. Attachments

Authorization Details:

- Employee Code: 00041383, Employee Name: SENECHAL, DOMINIC, Primary Workcenter #: 185-20
- License #: 00041, Authorization #, Issued Date: 29-06-2017 10:39:22 A, Authorization Ref #
- Skill Code: 01, Save, Preview, Approved & Print, Cancel
- Created by, Created Date, Modified by, Modified Date, Approved by, Approved Date

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

The screenshot displays the 'Issue Certificates' application window with the 'Certificate of Conformity' tab selected. The interface includes several sections for data entry and navigation:

- Select Action:** Radio buttons for 'Create Certificate' (selected), 'Reprint Certificate', and 'Replace Certificate'.
- Reference Details:** Fields for 'Reference Type' (set to 'Work Order #'), 'Reference #', and a 'Get Details' button.
- Issue Details:** Fields for 'Certificate #', 'Numbering Type' (set to 'COC'), 'Printed?', '# of Copies', 'Certificate Status', and 'Replaced Cert #'.
- Main Core Details:** Fields for 'Part #', 'Mfr. #', 'Lot #', 'Mfg. Serial #', 'Component #', 'Serial #', 'Mfr. Part #', 'Quantity', 'Mfg Lot #', 'Multiple Cores?', and 'Part Description'.
- Reference Details:** Fields for 'Work Order #', 'Order Description', 'Event #', 'Customer #', 'Customer Order #', 'Customer PO #', 'Ref Doc #/Rev #', 'Rev Date', 'Type of Work' (set to 'Advance Excha'), 'Issued to' (set to 'Customer PO #'), 'Issue Doc #', 'Final Disposition' (set to '1-REPAIR'), and a 'Print MRO C of C' button.
- Certificate Details:** A 'Certifying Remarks' text area and a 'Print Part 21 C of C' button.
- Document Attachment Details:** Fields for 'File Name', 'Upload Documents', and 'View Associated Doc. Attachments'.
- Authorization Details:** Fields for 'Employee Code' (00041383), 'Employee Name' (SENECHAL, DOMINIC), 'License #' (00041), 'Skill Code' (01), 'Primary Workcenter #' (185-06), 'Authorization #', 'Authorization Ref #', 'Issued Date' (29-06-2017 10:39:23 A), and buttons for 'Save', 'Preview', 'Approved & Print', and 'Cancel'.

A yellow callout box with the text 'New check boxes for 'make' work orders' points to four checkboxes located in the 'Reference Details' section: 'New', 'Prototype', 'Modified', and 'Fabricated'.

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

Set Process Parameters

Entity Details

Entity Type: Shop Work Order Type Entity: AWO

Record Status: Active Process Parameters Defined? Yes

Process Parameter List

| # | Process Parameter | Permitted Values | Value | Status | Error Message |
|----|---|---|-------------|-------------|---------------|
| 26 | Automatically stop running dock of another employee during completion of Task? | Enter '0' for 'No', '1' for 'Yes' | 1 | Defined | |
| 27 | Auto-selection of Work Status for work orders with Job Type 'Make' during issue certificates? | Enter '0' for 'No', '1' for 'Yes' | 1 | Defined | |
| 28 | Backdated reporting Time Limit (in days) | Enter a positive integer | 100 | Defined | |
| 29 | Basis of grouping tasks for printing Task Cards? | Enter '0' for 'Repair Scheme Hierarchy', '1' for 'WBS Level'. | 0 | Defined | |
| 30 | CoM Req'd? | Enter '0' for 'Not Required', '1' for 'Required' | 2 | Defined | |
| 31 | Component Replacement Numbering Type | Enter a valid Component Replacement Numbering class | REPL | Defined | |
| 32 | Default Category | Enter a valid Category for the Entity type 'Category' | 1-Repair | Defined | |
| 33 | Default Numbering Type | Enter a valid Document Numbering class | ACWO | Defined | |
| 34 | Default Priority Code | Enter a valid Priority Code for the Entity type 'Priority Code' | NRM | Defined | |
| 35 | Default Shop Work Order Type for Auto generated Miscellaneous work orders? | Enter '0' for 'No', '1' for 'Yes' | 0 | Defined | |
| 36 | Default Shop Work Order Type for Auto generated Project work orders? | Enter '0' for 'No', '1' for 'Yes' | 0 | Defined | |
| 37 | Default Sign-Off requirement for Non-Routines ? | Enter '0' for 'Mechanic', '1' for 'Mechanic & Inspector', '2' for 'Inspector', '3' for 'Inspector & Mechanic' | 0 | Defined | |
| 38 | Default Task for Workscope Time booking | Enter a valid component/engine task. | 3-00000003 | Defined | |
| 39 | Discrepancy Numbering Type | Enter a valid Document Numbering Type defined in Document Numbering class | CDP | Defined | |
| 40 | Display of Planning Task in Tree in RSED screen? | Enter '0' for 'Not Required', '1' for 'Work Scoping Task', '2' for 'Work Scoping and Task' | 0 | Defined | |
| 41 | Enforce confirmation of estimations on release for internal orders? | Enter '0' for 'Not Required', '1' for 'Required', '2' for 'As Required' | 0 | Defined | |
| 42 | Enforce Excess/Core Returns on order closure ? | Enter '0' for 'No', '1' for 'Yes' | 1 | Defined | |
| 43 | Enforce Ref. doc. # for CoM | Enter '0' for 'Non-mandatory', '1' for 'Mandatory' | 0 | Defined | |
| 44 | Enforce Sign-Off ? | Enter '0' for 'No', '1' for 'Yes' | 1 | Defined | |
| 45 | Estimation Required for Internal orders? | Enter '0' for 'Not Required', '1' for 'Required'. | 0 | Defined | |
| 46 | Hold Code for Pending Estimate - Internal Orders | Enter a valid Hold Code with 'Caused by' set as 'Internal' and with 'Initiation Level' set as 'Internal' | PE-INTERNAL | Defined | |
| 47 | Issue CoM Report Generation Grouping for the Print option - One Certificate per Item | Enter '0' for 'Lot#', '1' for 'Mfr.Lot#' | | Not Defined | |
| 48 | Material Movement Document Print on Requisition from Planner | Enter '0' for 'Not Required', '1' for 'Required' | 1 | Defined | |
| 49 | Numbering Type for Main Core Material Requests | Enter a valid Document Numbering Type defined in Document Numbering class | SMR | Defined | |
| 50 | Numbering Type for Maintenance Issue | Enter a valid Document Numbering Type defined in Document Numbering class | | Not Defined | |

Set Process Parameters

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