



Ramco Aviation Solution

Version 5.7.1

Enhancement Notification

Materials

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WHAT'S NEW IN PROCUREMENT MANAGEMENT?

Notification message when a 'Revenue' PR/PO is processed referring to a 'Capital' Aircraft Maint. Exe. Ref. / Shop Work Order

Reference: AHBf-754

Background

Asset Capitalization is a process in which all the expenses borne against an Asset is capitalized, before putting the Asset into Service. It is a common practice to capitalize any ample expense borne for an asset. The expense borne against a document like Purchase Order can be capitalized only if the Expense Type is selected as 'Capital'. So, it is vital to choose the Expense Type cautiously whenever a Purchase Order is made for an asset.

Aircraft Maint. Exe. Ref / Shop Work Order can be used as Reference Documents for Adhoc / Service PO. Most of the times, Buyer is not aware of the Expense Type of these reference documents and chooses the PO Expense Type as 'Revenue'. If the Expense Type of the Reference Document happens to be 'Capital', the opportunity to directly capitalize the Purchase Cost is lost if the PO Expense Type is chosen as "Revenue". Business need is to provide a notification message to buyers when 'Revenue' PO is processed referring to a 'Capital' Aircraft Maint. Exe. / Shop Work Order.

Change Details

Purchase Request:

A new option "Notify when 'Revenue' PR is processed with 'Capital' Aircraft Maint. Exe. / Shop Work Order as Reference Document?" is added under the category 'Purchase Request' in the **Purchase Option Settings** screen of the **Logistics Common Master** Business component. This option can be set as "No" or "Yes".

The option needs to be set as "Yes" so that user will get a Notification Message when 'Revenue' PR is processed with 'Capital' Aircraft Maint. Exe. / Shop Work Order as Reference Document. User could continue processing the PR as 'Revenue' or could modify the Expense Type as 'Capital'. If Task # is provided, then the Expense Type of the Task in the corresponding Aircraft Maint. Exe. / Shop Work Order will be considered.

Notification message will appear in the following screens.

- ▶ Create Purchase Request
- ▶ Edit Purchase Request

If the option is set as 'No' or if it is not defined, the notification message will not be displayed even though the user processes 'Revenue' PR with 'Capital' Aircraft Maint. Exe. / Shop Work Order as Reference Document.

Exhibit-I: Identifies the options added in the **Purchase Option Settings** screen

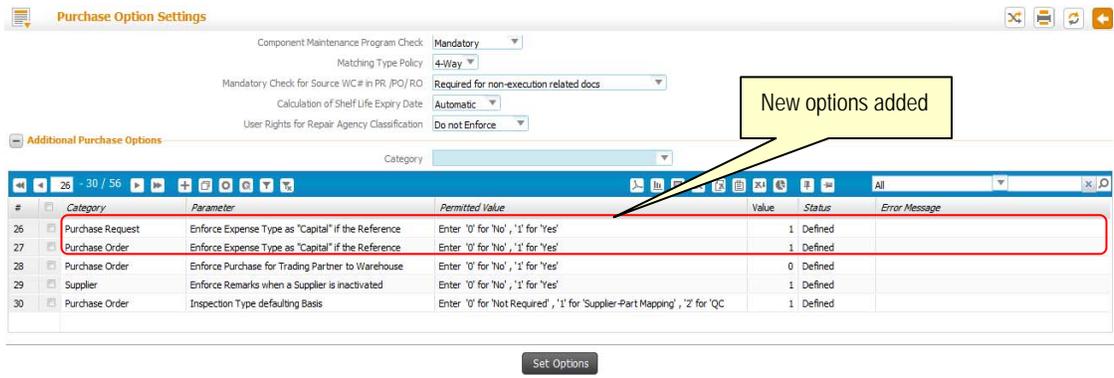
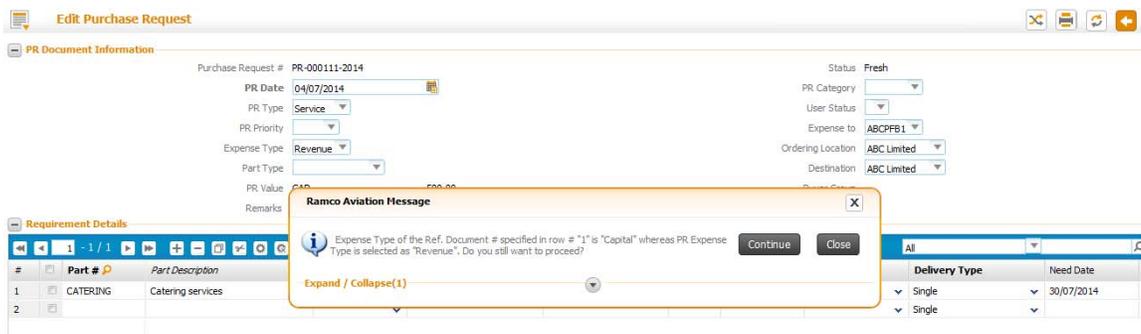


Exhibit-II: Identifies the notification message in the **Edit Purchase Request** screen



Purchase Order:

A new option “Notify when ‘Revenue’ PR is processed with ‘Capital’ Aircraft Maint. Exe. / Shop Work Order as Reference Document?” is added under the category ‘Purchase Order’ in the **Purchase Option Settings** screen of the **Logistics Common Master** Business component. This option can be set as ‘No’ or ‘Yes’.

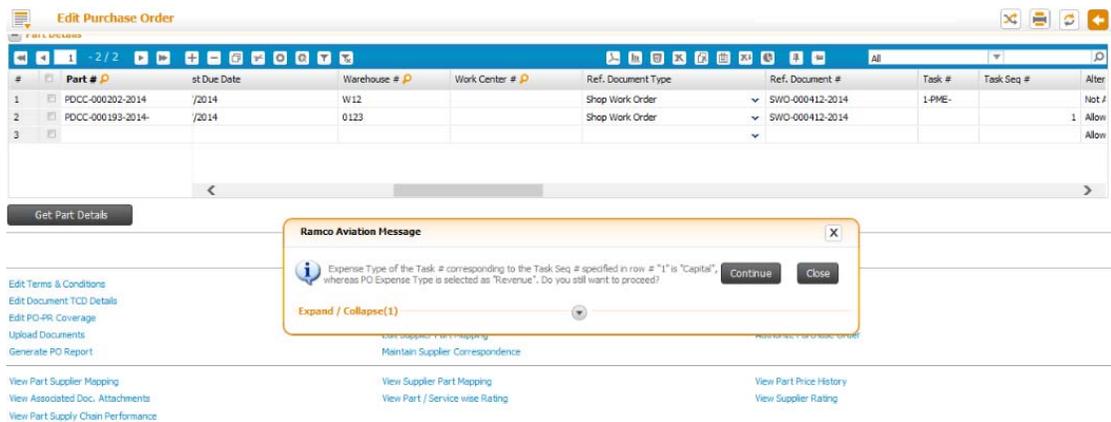
The option needs to be set as “Yes” so that user will get a Notification Message when ‘Revenue’ PO is processed with ‘Capital’ Aircraft Maint. Exe. / Shop Work Order as Reference Document. User could continue processing the PO as ‘Revenue’ or could modify the Expense Type as ‘Capital’. If Task # is provided, then the Expense Type of the Task in the corresponding Aircraft Maint. Exe. / Shop Work Order will be considered.

Notification message will appear in the following screens.

- ▶ Create Purchase Order
- ▶ Edit Purchase Order
- ▶ Amend Purchase Order

If the option is set as ‘No’ or if it is not defined, then notification message will not be displayed even though user processes ‘Revenue’ PO with ‘Capital’ Aircraft Maint. Exe. / Shop Work Order as Reference Document.

Exhibit-III: Identifies the notification message in the **Edit Purchase Order** screen



WHAT'S NEW IN STOCK RETURN?

Ability to generate a Repair Order automatically on Maintenance Return

Reference: AHBf-1550

Background

Unserviceable parts, removed during Aircraft or Component Maintenance are returned to an Unserviceable warehouse for routing to an In-house or an External Repair facility. As is the case with most of the operators, the capability to repair a part in-house may not be available necessitating the dispatch of parts to an External Repair Agency for maintenance, be it Repair or Overhaul etc. In the conventional way, Repair Administrator (Repair Buyer) would monitor Unserviceable warehouse and then manually create and release the Repair Order so that parts can be shipped. As in most cases, the Repair Agency is known upfront, the business need is to create the Repair Order automatically and then to review, modify if required and release.

As part of Process Automation and Straight through Processing initiative, a new framework to set up parts for automatic creation of Repair Order is provided. Upon return of parts to Unserviceable warehouse through Maintenance Return transaction, if the part has been identified for auto RO processing, system creates a Repair Order automatically.

Change Details

Set up Parts for automatic processing of External Repairs:

A new activity "Set up Parts for automatic processing of External Repairs" is provided in the **Supplier** business component to identify the parts for which Repair Order needs to be automatically created during Maintenance Return into an Unserviceable warehouse.

In the new screen, the definition for processing Repair Order automatically can be set up the combination of Warehouse # & Part #. Following are the key fields in the new screen.

- ▶ Repair Shop # - The code identifying the Repair Agency to whom the Part must be sent for Repair.
- ▶ Include Alternates? – Select the check box if direct alternate parts can also be considered for auto RO processing.
- ▶ Warehouse Applicability? – The drop down will be loaded with "Specific Warehouse" and "All other Warehouses". If the value is chosen as "Specific Warehouse" then 'From Warehouse' needs to be entered. The framework provides facility to configure the parts to be sent to different Repair Agencies from different Warehouses.
- ▶ From Warehouse # - Unserviceable Warehouse # participating in auto RO process. It is not required to enter a value if 'Warehouse Applicability?' is chosen as "All other Warehouses".

- ▶ Return to Warehouse # - Serviceable Warehouse to which the Part must be returned after Repair.
- ▶ Auto RO? – The drop down will be loaded with “Draft”, “Released” and “Not Required”. If the value is chosen as “Draft” or “Released” then the Repair Order created automatically will be put in the respective status. The value needs to be chosen as “Not Required” for parts where user organization would not hence forth want RO to be set up automatically.
- ▶ RO Category – Repair Order Category that must be taken for automatic Repair Order generation.
- ▶ Repair Process Code – Repair Process Code that must be taken for automatic Repair Order generation.
- ▶ Task # - Typically the standard task that needs to be performed on the Part i.e., Repair as Required, Repair as per CMM etc.
- ▶ Repair Lead Time (Days) – Lead Time for Repair in Days. The lead time will be considered to arrive at the Repair Shop Shipping Date.

To provide a facility to configure and control automatic generation of Repair Order at the company level, two new options are provided for the Category ‘Repair Order’ in **Purchase Option Settings** activity under **Logistics Common Master** business component.

- ▶ Set up RO automatically on Maintenance Return
 - The option can be set as “Not Required” or “Owned Parts”. The option needs to be set as “Owned Parts” if it is required to generate Repair Order automatically on confirmation of Maintenance Return. Only parts that are “Owned” by the Organization will be evaluated for auto RO generation. Supplier or Customer owned parts will not be considered for auto RO process during Maintenance Return.
- ▶ Consider auto Maintenance Return for Repair Order set up?
 - The option can be set as “Not Required” or “Required”. It is possible to create a Maintenance Return automatically during removal of Unserviceable part. The option needs to be set as “Required” so that “Owned” parts that are automatically returned will also be evaluated for auto RO processing. If the option is set as “Not Required”, then, parts returned through automatic Maintenance Return will not be evaluated for RO processing.

In addition to the above two options, one more option ‘Process pending jobs for Auto RO?’ is provided for the Category ‘Repair Order’ in **Purchase Option Settings** activity under **Logistics Common Master** business component.

The option 'Process pending jobs for Auto RO?' can be set as "No", "Yes" or "Draft RO".

- ▶ No – Component Jobs that are pending will not be considered during auto RO generation.
- ▶ Yes - Component Jobs that are pending will be considered and included as Work Scope during auto RO generation.
- ▶ Draft RO - Component Jobs that are pending will be considered and included as Work Scope only if the RO is set to be created in "Draft" status i.e., RO State? is set as "Draft".

Also, in the **Document Numbering Class** business component, a new transaction 'Auto Repair Order – Maintenance Return' is added to identify unique Numbering Type for the Repair Orders that will be automatically generated on Maintenance Return.

Auto RO process:

If the option 'Set up RO automatically on Maintenance Return' is set as "Owned Parts" then on return of parts through maintenance return into an Unserviceable warehouse, system will check if the part is set up for auto RO processing in "Set up Parts for automatic processing of External Repairs" screen for the Warehouse in which it is returned. If it is set up with 'RO State?' as "Draft" or "Released", a Repair Order will be generated automatically. If the Part Type is "Component", a separate Repair Order will be created for each Component. If the Part Type is other than "Component", the parts that need to be sent to the same Repair Agency will be grouped and a "Piece Part" Repair Order will be generated. When the RO is setup in "Released" status, if the part is under contract with the Repair Agency, then the RO will be automatically Quoted and Authorized as per the existing behavior.

 *Note:*

1. *Warehouse Category must be identified as "Unserviceable" in **Material Inquiry Set Options** activity under **Stock Maintenance** business component.*
2. *Alternate parts will be considered for automatic RO generation if "Include Alternate" check box is selected for a part in 'Set up Parts for automatic processing of External Repairs' screen.*
3. *Component jobs that are pending will be considered based on the option chosen for the parameter 'Process pending jobs for Auto RO?'*

Exhibit I: Identifies the options added in the Purchase Option Settings screen

Purchase Option Settings

Def.Component # for Inspection: [Dropdown]
 Component Maintenance Program Check: Mandatory [Dropdown]
 Matching Type Policy: 4-Way [Dropdown]
 Mandatory Check for Source WC# in PR /PO/ RO: Not Required [Dropdown]
 Calculation of Shelf Life Expiry Date: Automatic [Dropdown]
 User Rights for Repair Agency Classification: Do not Enforce [Dropdown]

Additional Purchase Options

Category: Repair Order

#	Category	Parameter	Permitted Value	Value	Status	Error Message
1	Repair Order	Process pending jobs for Auto RO?	Enter '0' for 'No', '1' for 'Yes', '2' for 'Draft RO'	2	Defined	
2	Repair Order	Consider auto Maintenance Return for Repair	Enter '0' for 'Not Required', '1' for 'Required'	1	Defined	
3	Repair Order	Set un RO automatically on Maintenance Return	Enter '0' for 'Not Required', '1' for 'Owned parts'	1	Defined	
4	Repair Order	Repair Receipt creation if Repair Order is not in	Enter '0' for 'Not Allowed', '1' for 'Allowed'	0	Defined	
5	Repair Order	Default Exchange Type for Exchange Repair Order	Enter '0' for 'Do not Default', '1' for 'Flat', '2' for 'With Repair'	0	Defined	

Set Options

Exhibit II: Identifies the new activity Set up Parts for automatic processing of External Repairs in Supplier business component

Set up Parts for automatic processing of External Repairs

Search Criteria: Search On: Part Classification [Dropdown] All [Dropdown] Get Details [Button]

Auto RO Details

Process Pending Jobs? Only for Draft RO

Part Details

#	Part #	Include Alternates?	Warehouse Applicability?	From Warehouse #	Repair Shop #	Address ID	Return To Warehouse #	Auto RO ?
1	0-0511-3-0001:99DND	<input checked="" type="checkbox"/>	Specific Warehouse	YULUS	00198		1 YULES	Released
2	01571507-610-81205	<input checked="" type="checkbox"/>	Specific Warehouse	YULUS	00198		1 YULES	Released
3	0-001-368-001:	<input type="checkbox"/>	Specific Warehouse	YULUS	00060		1 YULES	Not Required
4	0-001-368-001:	<input type="checkbox"/>	Specific Warehouse	YULUS	00060		1 YULES	Not Required
5	0-001-368-016:35895	<input type="checkbox"/>	Specific Warehouse	YULUS	00198		1 YULES	Released
6	0-001-368-016:35895	<input type="checkbox"/>	Specific Warehouse	YULUS	00060		1 YULES	Not Required
7	0-001-368-001:	<input type="checkbox"/>	Specific Warehouse	YULUS	00060		1 YULES	Released
8	0-001-368-016:358951	<input type="checkbox"/>	Specific Warehouse	YULUS	00060		1 YULES	Not Required
9	0-001-368-016:358951	<input type="checkbox"/>	Specific Warehouse	YULUS	00198		1 YULES	Released
10	0-001-368-016:358951	<input type="checkbox"/>	Specific Warehouse	YULUS	00198		1 YULES	Released

WHAT'S NEW IN STOCK ISSUE?

Ability to default Parent Ref. Doc Type as 'Stock Transfer' for Shipping from Offline Operations

Reference: AHBF-676

Background

Unserviceable parts from offline operations are transferred and shipped to main base for Maintenance. Bulk of shipping from offline operations constitutes shipping against a stock transfer order. Business need is to default the reference document for creation of shipping note as "Stock Transfer" in offline operations. Currently, users need to select reference document manually as "Stock Transfer" to ensure only Stock Transfer documents are retrieved for shipping.

Change Details

A new set option "Default Parent Ref. Doc. Type for creation of Shipping Note" has been added under the category 'Inventory Management Options' in **Configure Offline Parameters** activity in **Configurator** business component. The option could be set as "Do not Default" or "Stock Transfer".

The option could be set as "Stock Transfer" so that on launch of **Record Shipping Note** activity **Select Reference Document** screen, the system defaults Parent. Ref. Doc. Type drop down with the value "Stock Transfer" in offline operations.

If the option is set as "Do not Default", the system will not default any value in the Parent Ref. Doc. Type drop down in offline operations on launch of **Record Shipping Note** activity **Select Reference Document** screen.

 *Note: The feature does not affect the way Parent Ref. Doc. Type drop down is defaulted in Main Base i.e., Online Operations.*

Exhibit 1: Identifies the new option added in **Configure Offline Parameters** screen.

The screenshot shows the 'Configure Offline Parameters' interface. At the top, there is a search criteria section with 'Inventory Management Options' selected in the category dropdown. Below this is a search results table with the following data:

#	Category	Process Parameter	Permitted Values	Value	Status
1	Inventory Management Options	Default Parent Ref. Doc. Type for creation of Shipping Note	Enter '0' for 'Do not Default', '1' for 'Stock Transfer'	1	Defined
2	Inventory Management Options	Induction of New Serial #	Enter '0' for 'Not Allowed', Enter '1' for 'Allowed'	1	Defined
3	Inventory Management Options	Stock Correction Type allowed for Offline Usage	Enter '1' for 'Quantity', '2' for 'Based on Inventory Option Settings'	1	Defined
4					

A red rectangular box highlights the first row of the table, indicating the new option. Below the table is a 'Set Process Parameters' button.

WHAT'S NEW IN STOCK TRANSFER?

Ability to automatically confirm Stock Transfer Issue

Reference: AHBf-706

Background

Inter Warehouse Stock Transfer could be created manually or automatically during material planning or demand / receipt pegging. In all these scenarios, Stock Transfer Issue document is generated automatically in "Fresh" status and user needs manually confirm it. Business need is to give a provision to generate Stock Transfer Issue in confirmed status for specific warehouses, typically managed by one person or if the warehouse can operate offline.

As part of Process Automation and Straight through processing initiative, provision will be given to configure generation of Stock Transfer Issue in "Confirmed" status, to start with.

Change Details

The **Set Option** screen under the **Storage Administration** business component is enhanced to house various options that could be configured at Warehouse level. As part of the enhancement, the activity **Set Options** is renamed as **Set Warehouse Process Parameters**. Secondly, link to the screen is provided from **Create Warehouse Information** and **Edit Warehouse Information** screens.

To facilitate configuration of generation of Stock Transfer Issue in "Confirmed" status under different scenarios, following options are provided for each warehouse.

- ▶ Confirmation of Stock Transfer Issue generated during Authorization of Inter Warehouse Transfer.
- ▶ Confirmation of Stock Transfer Issue generated during Auto Inter Warehouse Transfer based on Warehouse Matrix definition.
- ▶ Confirmation of Stock Transfer Issue generated during Inter Warehouse Transfer processed from Plan Materials screen.

These options can be set as "**Manual**" or "**Automatic**".

If the option "Confirmation of Stock Transfer Issue generated during Authorization of Inter Warehouse Transfer" is set as "Automatic", then during authorization of Stock Transfer from **Authorize Inter Warehouse Stock Transfer** screen, system will generate and automatically confirm the Stock Transfer Issue document.

If the option "Confirmation of Stock Transfer Issue generated during Auto Inter Warehouse Transfer based on Warehouse Matrix definition" is set as "Automatic", then for the Stock Transfers triggered during **Demand Pegging / Receipt Pegging**, system will generate and automatically confirm the corresponding Stock Transfer Issue document.

If the option “Confirmation of Stock Transfer Issue generated during Inter Warehouse Transfer processed from Plan Materials screen” is set as “Automatic”, then for the Stock Transfers triggered from **Plan Materials** screen, system will generate and automatically confirm the corresponding Stock Transfer Issue document.

In order to facilitate configuration of MMD printing in all the three scenarios described above new set options are provided for the Category ‘Stock Management Reports’ under **Set Inventory Process Parameters** activity in **Logistics Common Master** business component. These options are as under;

- ▶ Print MMD for Stock Transfer Issue generated in Confirmed status during Authorization of Inter Warehouse Transfer.
- ▶ Print MMD for Stock Transfer Issue generated in Confirmed status during Auto Inter Warehouse Transfer based on Warehouse Matrix definition.
- ▶ Print MMD for Stock Transfer Issue generated in Confirmed status during Inter Warehouse Transfer processed from Plan Materials screen.

These options can be set as “**Required**” or “**Not Required**”.

The option needs to be set as “Required” if it is desired to print MMD for respective scenario. Otherwise it can be set as “Not Required”.



Note:

1. *Existing option ‘Enforce Stock Replenishment’ in the erstwhile **Set Options** screen is moved to **Set Inventory Process Parameter** screen under the category ‘Storage Administration’.*
2. *In the Set Warehouse Process Parameters screen it is not required to have the value defined in one shot for all the combination of Warehouse & Option. It can be done selective or progressively updated.*

Exhibit I: Identifies the new option added against each warehouse in **Set Warehouse Process Parameters** screen.

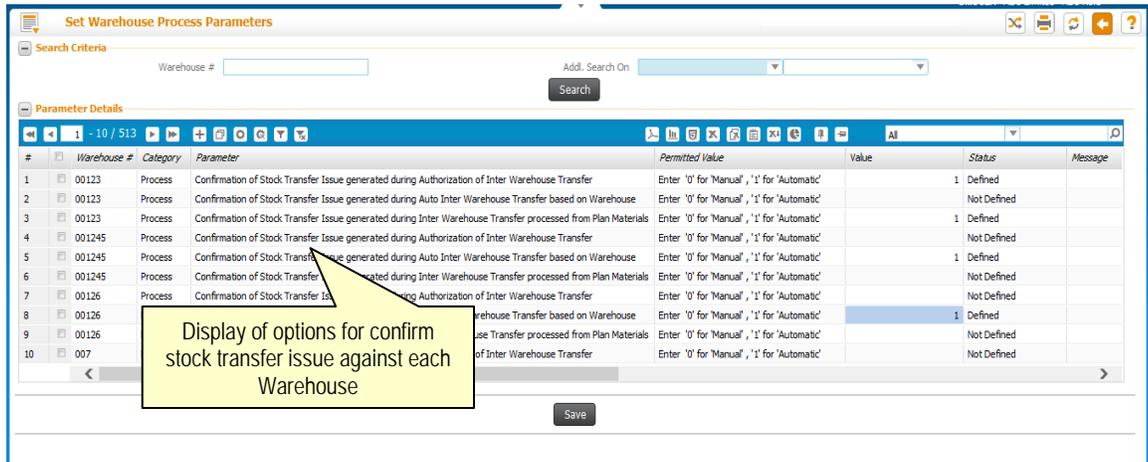
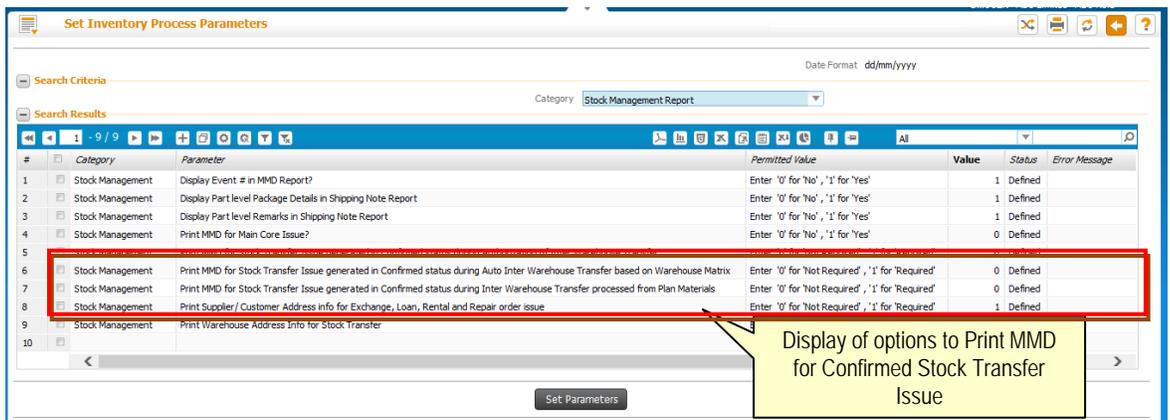


Exhibit II: Identifies the new options to Print MMD for auto confirmed Stock Transfer Issue in **Set Inventory Process Parameters** screen.





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