



**DS0489**

**MFG Enhancements**



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## Problem Definition

<i><b>Problem Definition</b></i>	<b>CCDA</b>
<p>ACME Co.made the following requests :</p> <ol style="list-style-type: none"> <li>1. <b>BOM Import / BOM Change trigger Picklist Update:</b> when the BOM Import utility imports an update to an existing BOM, if there are any MOs using the updated component, notify the user of the MO's that need to be updated and open the MO in MO Entry.</li> <li>2. <b>Restrict Purchase Request Resolution by Job Number:</b> add the ability to restrict the suggested POs by Job Number.</li> </ol>	

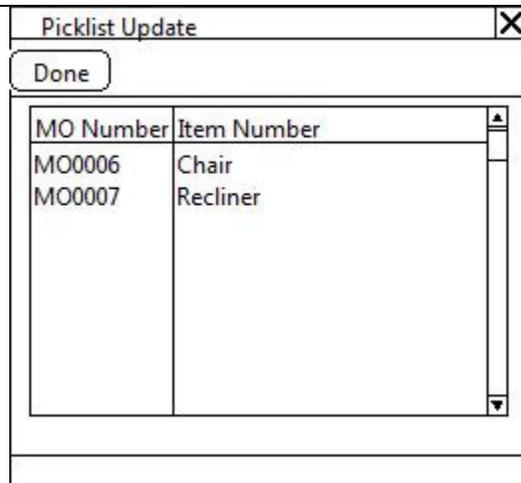


## Solution Overview

<b><i>Solution Overview</i></b>	<b>CCDA</b>
<p><b>Picklist Update</b> After importing an updated BOM the system will check if there are any MOs using the updated component. If so, a new window will open listing the affected MO (or MOs). From that window the user will be able to double-click on the MO to open it in MO Entry, where the user can Rebuild the picklist. The same functionality will also be triggered when a change is made to a BOM in Bill of Materials Entry.</p> <p><b>Purchase Request Resolution</b> The ability to restrict the display by Job Number will be added.</p>	

## Design Features

<b><i>Picklist Rebuild</i></b>	<b>CCDA</b>
<p>There are two separate aspects of this request: updating Picklists from BOM Import (which affects the BOM Import utility), and updating Picklists from BOM Entry (which is a new are of customization).</p> <p><b>BOM Import</b>            After completing the import, the utility will check if any MOs are for the item (i.e. it is a top-level made item) or any MOs for parents that contain the child item anywhere in the BOM structure (i.e. it will perform a “where used” query to find all affected parents when importing a child item).</p> <p>If any MOs are found a new window will open showing the user which MOs are affected (see below).</p> <p><b>BOM Entry</b>            Similar to the BOM Import, when a change is made to a BOM it will trigger a process that finds all affected MOs (the MO is either for the changed item, or for a parent that contains the affected item).</p> <p>If any MOs are found a new window will open showing the user which MOs are affected (see below).</p> <p><b>Picklist Update</b>            If either of the processes above finds affected MOs, the Picklist Update window will open.</p> <p>The window will list all affected MOs, and the Item Number produced by the MO.</p>	

A screenshot of a software dialog box titled "Picklist Update" with a close button (X) in the top right corner. Below the title bar is a "Done" button. The main area contains a table with two columns: "MO Number" and "Item Number". The table has two rows of data.

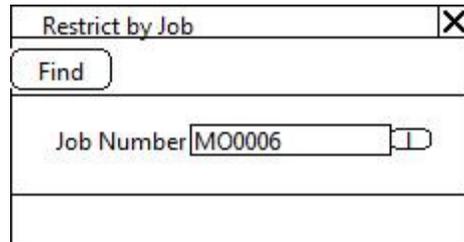
MO Number	Item Number
MO0006	Chair
MO0007	Recliner

The user will double-click on a line to open the MO in MO Entry. Since there are conditions which could prevent automatically rebuilding the picklist, the user will make decisions about how to handle each MO and rebuild the Picklist if possible.

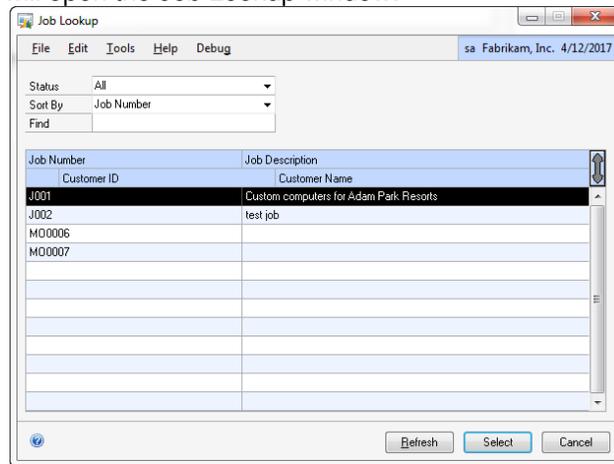
## Purchase Request Resolution

CCDA

An Additional Menu option will be added to the PRR window to open the Restrict by Job window: Additional >> Restrict By Job.

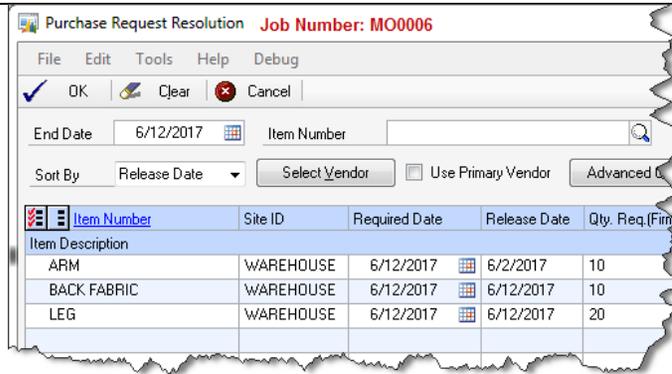


The Lookup button will open the Job Lookup window:



Job Number	Customer ID	Job Description	Customer Name
J001		Custom computers for Adam Park Resorts	
J002		test job	
MO0006			
MO0007			

Clicking FIND on the Restrict by Job window will cause the PRR window to redisplay showing only purchase requirements related to the selected Job.



The Title Bar of the PRR window will show the Job Number that is restricting the window. Clicking CLEAR will remove the restriction and redisplay the window to show all purchase requirements.

**NOTE:** If two MO's require the same component on the same day this will appear as a single purchase requirement for that day for the total amount required. There is no way to "split" that requirement out between the two (or more) MO's. Restricting by Job will include requirements for that job, but it might also include requirements for other Jobs for the same inventory.