

**CHANGE REQUEST**

**Change Request #CR0190**      Lead Time Inquiry

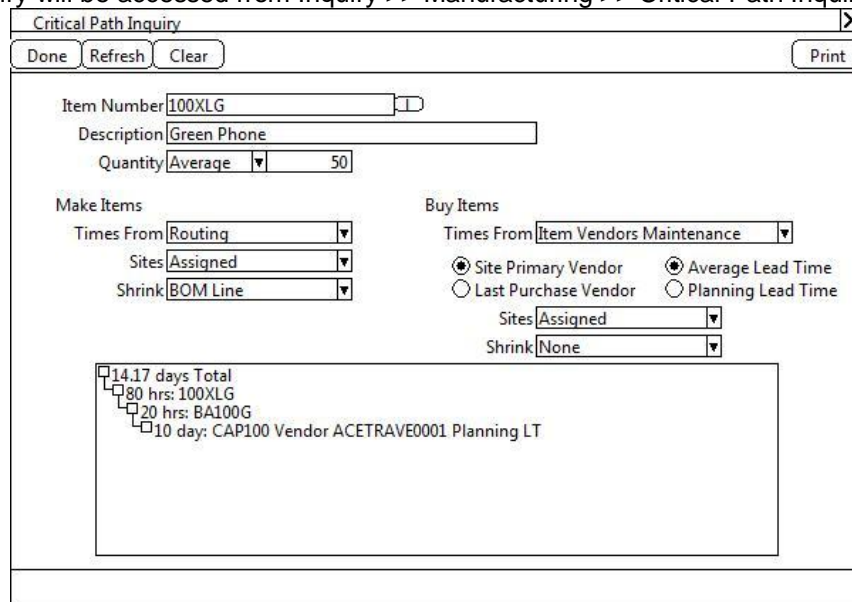
**Description of Change**


**Description of Need:**

Critical Path Inquiry. The CP calculation should have the option of calculating based on the Item Resource Planning lead time values (initial values or primary site), or the routing times. It also should have the option to use the Average Quantity from Item Engineering, or a user entered quantity.

**Description of Solution:**

Critical Path Inquiry will be accessed from Inquiry >> Manufacturing >> Critical Path Inquiry.



 = Lookup Button

Field	Function
Item Number	User enters or selects Item Number from Lookup
Description	Displays item description
Quantity	<ul style="list-style-type: none"> <li>• Average – Item Engineering</li> <li>• Standard – Standard Cost Changes</li> <li>• User – user entered quantity</li> </ul> <p>For Average and Standard the system will display the selected value and lock the quantity field. If User is selected the quantity field will be editable, and set to Minimum Issue Qty on Item Engineering by default.</p>
	<b>Make Item Settings</b>
Times From	<ul style="list-style-type: none"> <li>• Routing</li> <li>• Item Resource Planning</li> </ul> <p>If IRP is selected, the make Item lead time will be calculated as Mfg Fixed Lead Time + (Quantity * Variable LT).</p>

	<p>If routing is selected, the time will be calculated as: <math>\text{sum}(\text{Setup Time}) + \text{sum}(\text{Queue Time}) + \text{sum}(\text{Move Time}) + (\text{QTY} * \text{sum}(\text{Cycle Time}))</math>.</p> <p>Parallel routing sequences are not supported.</p>
Sites	<ul style="list-style-type: none"> <li>Assigned</li> <li>Default</li> <li>Initial Values</li> </ul> <p>Assigned attempts to locate a Site ID as follows:</p> <ul style="list-style-type: none"> <li>BOM Line Issue From Site (for subcomponents)</li> <li>BOM Header Default Issue To Site (for top-level Parent)</li> <li>Default Scheduling Method: Default Site to Post Inventory To</li> </ul> <p>Default is the Default Site on Item Quantities Maintenance.</p> <p>Initial Values is the Item Resource Planning window "Initial Values" settings.</p>
Shrink	<ul style="list-style-type: none"> <li>None</li> <li>BOM Line</li> <li>Item Resource Planning</li> </ul> <p>Shrinkage is not calculated on the top-level item. The top level item quantity is set on the CPI window.</p>
<b>Buy Item Settings</b>	
Times From	<ul style="list-style-type: none"> <li>Item Resource Planning</li> <li>Item Vendors Maintenance</li> </ul> <p>When Item Vendors Maintenance is selected, the radio buttons are enabled. The user can make selections that control what Item-Vendor information is used.</p> <p>If Item Resource Planning is marked, the system will use the Purchasing Lead Time.</p>
Vendor setting	<p>Controls how system locates a Vendor, which is then used to locate an Item-Vendor record for Average of Planning lead time.</p> <ul style="list-style-type: none"> <li>Site Primary Vendor: See "Sites" for a description of how the site is determined. This Item-Site combination will then be used to find the Primary Vendor assigned in Item Quantities Maintenance. That Vendor (if present) is used to locate an Item-Vendor record.</li> <li>Last Purchase Vendor: always uses the "Order Vendor ID" (if present) to locate an Item-Vendor record</li> </ul>
Lead Time setting	<p>Average or Planning Lead Time from Item Vendors Maintenance window. This is only available if Times From = Item Vendors Maintenance.</p>
Sites	<ul style="list-style-type: none"> <li>Assigned</li> <li>Default</li> <li>Initial Values</li> </ul>

	<p>Assigned attempts to locate a Site ID as follows:</p> <ul style="list-style-type: none"> <li>• BOM Line Issue From Site</li> <li>• BOM Header Default Issue From Site</li> <li>• Default Scheduling Method: Default Site to Draw Inventory From</li> </ul> <p>Default is the Default Site on Item Quantities Maintenance.</p> <p>Initial Values is the Item Resource Planning window "Initial Values" settings.</p> <p>If <b>Time From</b> is set to Item Vendors Maintenance, Sites but be set to either Assigned or Default.</p>	
Shrink	<ul style="list-style-type: none"> <li>• None</li> <li>• BOM Line</li> <li>• Item Resource Planning</li> </ul>	
	<b>Buttons</b>	
Done	Closes the window	
Refresh	Calculates and displays the critical path.	
Clear	Clears the window	
Print	<p>Prints a simple report showing the information in the critical path Inquiry window (the item, quantity, control options, and the tree-view data).</p> <p>NOTE: because of the possible depth of the treeview, the report will print as a list. Each level will be displayed on the next line below, with no indentation.</p>	