



ACMECO
DS0032- Item Class Serial Numbering



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Need Statement

Document	CCDA
<p>ACMECO maintains serial numbers as a unique number across an entire product group. So, not only does each unit produced within an Item Number have a unique serial number, but each unit produced within an entire group of Item Numbers has a unique serial number. Each serial number does not, and cannot, overlap with the serial number for any other item in that product group.</p> <p>For example, if Item-A and Item-B are in Item Class WIDGETS, the customization will create the following behavior:</p> <ul style="list-style-type: none">(1) If an MO Receipt produces 3 units of Item-A, they will receive Serial Numbers 1, 2, and 3(2) If an MO Receipt produces 3 units of Item-B, it will pick up the numbering for the WIDGETS class, and receive Serial Numbers 4, 5, and 6 <p>GP normally maintains unique serial numbers within an Item Number. For the example above, Item-A would receive numbers 1, 2, and 3, and Item-B would also receive the first available numbers for Item-B, which would be 1, 2, and 3.</p> <p>The proposed solution would define a “product group” as all Item Numbers with the same Item Class Code.</p> <p>The new code would ensure that:</p> <ul style="list-style-type: none">(1) all items in that class have the same Serial Number Mask(2) each new serial number generated would be the next available number for the group	

Design Features

Document	CCDA
<p>Item Class Setup</p> <p>A new window will be created to allow storing a “Template Item” for each Item Class. The Class can contain non-serial numbered items, and the code will check the Item Tracking Option before attempting to perform any updates to the Item.</p> <p>One Item Number will be picked as the “Template Item” for the Item Class. The Serial Number Mask established for that Item will be used as the Mask for all items in the Item Class.</p> <p>When the Item Class is added to a new Item, or changed on an existing Item:</p> <ul style="list-style-type: none"> (1) the Serial Number Mask of the Template Item will automatically be applied (2) the Item will be updated with the Last Used Serial Number for the Item Class <p>A change to the Mask on the Template Item will be rolled down to all items in the class.</p>	

Document	CCDA
<p>Dexterity Database Trigger</p> <p>The customization will “watch” the GP application for any updates to the Item Master field called Last Used Serial Number. A new Last Used Serial Number will then be propagated to all Items within the Item Class for the updated Item.</p> <p>If an Item does not have an Item Class, no changes to other items will occur.</p> <p>New Serial Numbers can be generated with the following transactions:</p> <ul style="list-style-type: none"> (1) SOP Return (2) SOP Invoice* 	



<p>(3) PO Receipt (4) Inventory Adjustment** (5) Inventory Transfer* (6) MO Receipt</p> <p>*There are several places in GP where you can add serial numbers on the fly **GP allows negative adjustments while adding serial numbers on the fly—adjusting out a serial number that was never in the system.</p> <p>The custom code will be tested in each of the above transactions to ensure correct handling of Item Class Serial Numbering.</p>	
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Document	CCDA
<p>Item Serial Mask Control</p> <p>Only the Serial Number Mask for the Template Item can be changed. The custom code will prevent changes to the Mask for any other Item in the Item Class.</p>	