



DS0671

Automatic Backorder, Allocations and Fulfillment



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Problem Definition

<i>Problem Definition</i>	CCDA
<p>ACME Co. utilizes an EDI system to import the majority of their Sales Order Documents into Dynamics GP. Based on the rules of their EDI system, all Order ID's have been set up to "Allocate by Line" and to "Use a Separate Fulfillment Process."</p> <p>When Sales Order Documents are imported through the EDI system, quantities are immediately allocated to Sales Lines, if available. The bulk of their Sales Orders are released to their 3rd party Warehouse. Releasing the Sales Order document, locks it within GP and no changes can be made to it.</p> <p>ACME has several Sales Order Document IDs, which require all Item Numbers and quantities to be Backordered to prevent the release of the order to their 3rd party warehouse. Currently, the users must open each Sales Order, review the lines and manually update each line to move the Qty to Invoice to Qty to Backorder. They would like a faster way to do this per Sales Document.</p> <p>ACME would also like to be able to quickly allocate, or allocate and fulfill, all Backordered Sales Lines on a Sales Order Document when adequate quantities are available to satisfy the entire Sales Document.</p> <p>ACME has a multi-Site environment, but they do NOT use multiple bins. They also do not use any Serial or Lot tracking functionality.</p>	



Solution Overview

<i>Solution Overview</i>	CCDA
Please see the Design Features section below.	

Design Features

<i>Sales Transaction Entry – Backorder All Lines</i>	CCDA
<p>Navigation: Transactions→Sales→Sales Transaction Entry→Additional→Backorder All Sales Lines</p> <p>The user will enter or select a Sales Order Document from the lookup. The user will navigate to Additional→Backorder All Sales Lines.</p> <p>The enhancement will:</p> <ol style="list-style-type: none"> 1. Validate that the Document Type is an Order. Only Sales Orders may utilize the Backorder All Sales Lines utility. If the Document Type is NOT Order, the user will be warned and unable to continue. 2. Validate that no Sales Lines are fulfilled. If any Sales Lines are fulfilled, the enhancement will warn the user and the user will be unable to continue. A user would need to manually un-fulfill Sales Lines prior to re-running the Backorder All Sales Lines process. 3. If the Sales Document passes the validation steps, the user will be prompted with “Do you want to Backorder ALL Sales Lines?” If the user selects NO, the enhancement will do nothing. If the user selects YES, the enhancement will do the following to Item Numbers which are Sales Inventory or Discontinued: <ul style="list-style-type: none"> • Unallocate any quantity allocated. • Transfer all Sales Order Line Quantities from “Qty to Invoice” to “Qty to Backorder.” <p>This step has been added to the enhancement because there are 3 very similar options. The system is going to ask the user to confirm that the correct option has been selected.</p> <p>PLEASE NOTE: Users should NOT run the Backorder All Lines process for Sales Order Documents which have been released to the 3rd Party warehouse. There will be no control to prevent users from running the process within the enhancement. ACME will need to develop and implement internal process controls (i.e. training users) to ensure this does NOT happen.</p>	

<p>Sales Transaction Entry – Allocate All Lines</p>	<p>CCDA</p>
<p>Navigation: Transactions→Sales→Sales Transaction Entry→Additional→Allocate All Sales Lines</p> <p>The user will enter or select a Sales Order Document from the lookup. The user will navigate to Additional→Allocate All Sales Lines.</p> <p>The enhancement will:</p> <ol style="list-style-type: none"> 1. Validate that the Document Type is an Order. Only Sales Orders may utilize the Allocate All Sales Lines utility. If the Document Type is NOT Order, the user will be warned and unable to continue. 2. Run a pre-allocation check for all Sales Order Lines where: <ul style="list-style-type: none"> • The Item Number’s Item Type is either Sales Inventory or Discontinued. • The Item Number’s Item Tracking Option is set to NONE. (The Item Number is NOT Serial or Lot Tracked.) • The Quantity Remaining is greater than the Quantity Allocated. Quantity Remaining less Quantity Allocated is defined as Quantity Required to Allocate. <p>The pre-allocation check will ensure that each qualified Sales Line’s Item Number has enough Quantity Available in its specified Site to satisfy its Quantity Required to Allocate.</p> <p>If the pre-allocation check finds that one or more qualified Sales Lines CANNOT be completely allocated, the user will be prompted with the following message, “Not all Sales Lines can be fully allocated. You may not run the Allocate All Sales Lines utility for this Sales Order at this time.”</p> 3. If the Sales Document passes both steps above, the user will be prompted with “Do you want to Allocate ALL Sales Lines?” If the user selects NO, the enhancement will 	

do nothing.

If the user selects YES, the enhancement will allocate the Quantity Required to Allocate.

This step has been added to the enhancement because there are 3 very similar options. The system is going to ask the user to confirm that the correct option has been selected.

4. The enhancement will then run a post-allocation check for all qualified Sales Lines to ensure that all lines were completely allocated.

This step is being added as multiple users could be allocating the same Item Number on different Sales Orders at the same time. If not all Sales Lines were able to be fully allocated, the user will receive the following warning, "Some lines could not be fully allocated. To unallocate the document, run the Backorder All Lines utility."

<p>Sales Transaction Entry – Allocate and Fulfill All Lines</p>	<p>CCDA</p>
<p>Navigation: Transactions→Sales→Sales Transaction Entry→Additional→Allocate and Fulfill All Sales Lines</p> <p>The user will enter or select a Sales Order Document from the lookup. The user will navigate to Additional→Allocate and Fulfill All Sales Lines.</p> <p>The enhancement will:</p> <ol style="list-style-type: none"> 1. Validate that the Document Type is an Order. Only Sales Orders may utilize the Allocate All Sales Lines utility. If the Document Type is NOT Order, the user will be warned and unable to continue. 2. Run a pre-allocation check for all Sales Order Lines where: <ul style="list-style-type: none"> • The Item Number’s Item Type is either Sales Inventory or Discontinued. • The Item Number’s Item Tracking Option is set to NONE. (The Item Number is NOT Serial or Lot Tracked.) • The Quantity Remaining is greater than the Quantity Allocated. This is defined as Quantity Required to Allocate. <p>The pre-allocation check will ensure that each qualified Sales Line’s Item Number has enough Quantity Available in its specified Site to satisfy its Quantity Required to Allocate.</p> <p>If the pre-allocation check finds that one or more qualified Sales Lines CANNOT be completely allocated, the user will be prompted with the following message, “Not all Sales Lines can be fully allocated. You may not run the Allocate All Sales Lines utility for this Sales Order at this time.”</p> 3. If the Sales Document passes both steps, the user will be prompted with “Do you want to Allocate and Fulfill ALL Sales Lines?” If the user selects NO, the enhancement will do nothing. 	

If the user selects YES, the enhancement will:

- Allocate the Quantity Required to Allocate.
- Run the fulfillment process on each Sales Line's Quantity Required to Fulfill. Quantity Required to Fulfill equals Quantity Allocated – Quantity Fulfilled.

This step has been added to the enhancement because there are 3 very similar options. The system is going to ask the user to confirm that the correct option has been selected.

4. The enhancement will then run a post-fulfillment check for all qualified Sales Lines to ensure that all lines were completely allocated and fulfilled.

This step is being added as multiple users could be allocating the same Item Number on different Sales Orders at the same time. If not all Sales Lines were able to be fully allocated, the user will receive the following warning, "Some lines could not be fully allocated and fulfilled. Please review the Sales Lines."



<i>Assumptions/Requirements</i>	
<ol style="list-style-type: none">1. All Sales Order ID's are set to Allocate by Line Item.2. All Sales Order ID's are set to Use Separate Fulfillment Process.3. Back Order Document ID's are not used.4. The Inventory Setup "Enable Multiple Bins" is NOT marked.5. Serial and Lot Controlled Items are NOT used.6. Advanced Fulfillment and Fulfillment Orders are NOT used.	