DS0107
Mass Transfer

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Problem Definition

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ACMECO has a very high volume of sales transactions with many repeat customers. Sales transactions are initially entered as Orders. If some lines cannot be fulfilled, the lines (or the entire order) are transferred to a Backorder. The backorder documents are merged into consolidated, larger backorders by Customer. The existing functionality in Dynamics GP for transferring Backorders to Orders attempts to automatically allocate and fulfill the lines. ACMECO is already using a Mass Fulfillment application from WilloWare that allows them to mass fulfill a number of documents at one time based on a set of selection criteria. This application requires that the line quantities be Backordered. ACMECO needs to be able to select a number of documents to transfer at one time from Backorder to Order, while keeping the line quantities as Backordered. NOTE: there is another proposal open at this time to also include “Merge” functionality. In some locations below, such as describing available menus, we are going to assume Merge is present.	

Solution Overview

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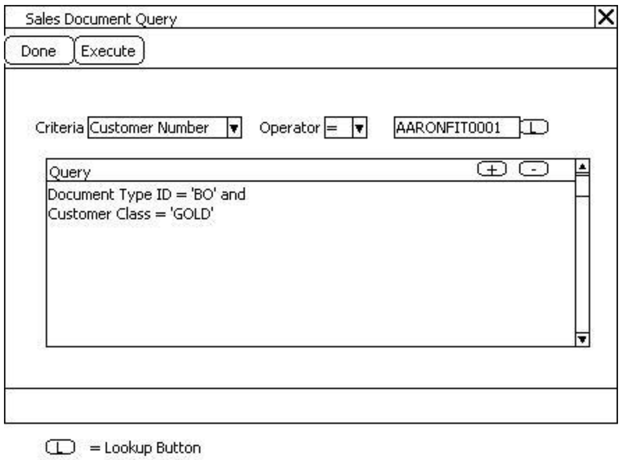
The proposed solution will use the existing Query and Results windows from the Fulfillment modification. The user will be able to generate a query to identify a set of backorders. The Query Results window will allow the user to further manually restrict the list of documents by Marking/Unmarking documents. The Transfer function will then move all of the selected documents to a new Batch, and transfer the Batch. The line quantities of all the documents in a batch will show zero To Invoice, zero Fulfilled, and the quantity will be in the Qty To Backorder field.	

Design Features

Sales Document Query

CCDA

Sales Document Query will be accessed from Transactions >> Sales >> Sales Document Query. NOTE: the Fulfillment Query window is going to be modified slightly to be a more generic “query” window that can be used for Fulfillment, Merge and Transfer.



This window is used to build a list of criteria used to identify a set of documents to Transfer. This is the same window used by Fulfillment Query (and proposed for use in the Merge). It will be renamed from Fulfillment Query to Sales Document Query. Both Transfer and Fulfilling will access the same window from the navigation shown above (it may also be used for Merge if that functionality is added).

Field	Function
Criteria	A drop-down list containing the criteria that can be used to build a restriction list. The available criteria are:

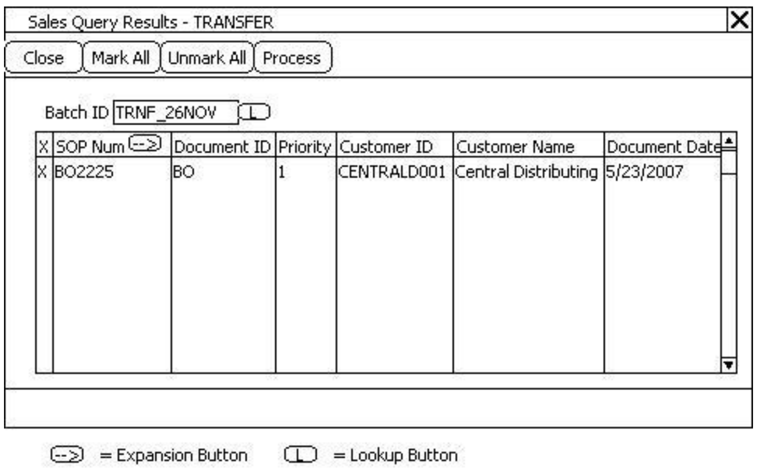
	• Document Number • Document Date • Customer Number • Requested Ship Date (from Sales Line) • Document Type ID • Batch Number • Site ID (from Sales Line) • Threshold) • Customer Class Threshold: if Threshold is set at >=$50, it means that a document must have lines needing fulfillment where the total extended price of the items fulfilled would exceed $50. The user can specify the dollar amount.
Operator	A drop-down list containing the types of comparisons that can be done on the selected Criteria: • Equals (=) • Less than (<) • Greater than (>) • Less than or equal to (<=) • Greater than or equal to (>=) • Between (enables to "values" field so user can select/enter the from/to values) • Not Equal To (<>)
Value	The values fields change depending on the type of Criteria selected. For example, if "Customer Number" "Between" are selected, two "Customer Number" fields and lookups will be enabled. Selecting "Document Date" would enable date fields.
+ and -	Add or remove a restriction criteria.
Execute	This is a "button drop list", which when clicks displays a drop-down menu. This menu will contain three options: Merge Query, Transfer Query, and Fulfillment Query. Transfer Query: all documents meeting the restriction criteria will

	be selected. See the next section for “Transfer Rules”. There are some documents that may automatically be excluded from the Query Results regardless of the selection criteria.		

Sales Query Results

CCDA

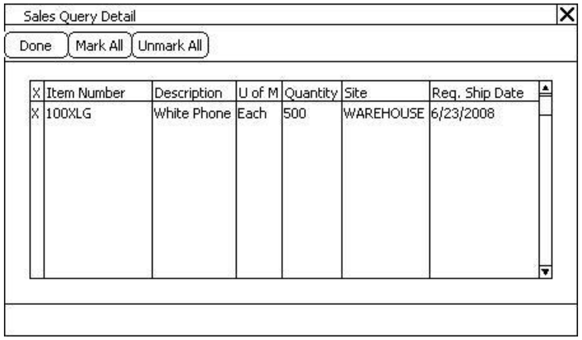
Sales Query Results opens automatically from Sales Document Query. It is the same window created for Fulfillment, but will be renamed to Sales Query Results. If the Fulfillment Query was executed the title bar of the window will show "Sales Query Results – FULFILLMENT", and if the Transfer Query was executed the title will show "Sales Query Results – TRANSFER".



This is a Scrolling Window which can have a multi-line display with Expand/Contract buttons.

Field	Function
"X"	This is a Checkbox field used to mark/unmark documents for fulfillment. By default this box will be marked.
Document No.	The column header will be a "zoom" button, which will allow opening the document in Sales Transaction Inquiry Zoom.
→	An expansion button will open the selected document in Sales Query Detail (below), which allows marking/unmarking specific

	lines.
Mark All	Marks all documents
Unmark All	Unmarks all documents.
Process	Executes the Transfer process. The window knows which query opened it, so Process will act accordingly (i.e. Merging, Transferring, or Fulfilling).
Window Close	When the window is closed, the query results are deleted from the database. In other words, after executing the Query and seeing the results in Sales Fulfillment, you must either Process or close the window (which deletes the query results). It cannot be saved an worked on later, as during that time the underlying Sales Orders could have been changed by another user.
Batch ID	The user must select a Sales Batch Number. The transferred documents will be moved into this Batch ID before the transfer. This must be a new Batch ID with no documents in it. For the Fulfillment Query this field will be disabled.



Sales Query Detail window, which is available for the Fulfillment Query, will be available for Transfer too, but will not be editable. It will be view only when opened from a Transfer Query. Entire documents must be selected for the Transfer.

Transfer Process

The Sales Query Results window will ensure that only one user has it open at any given time. Users can be active in other SOP windows, working with sales transactions.

There is nothing in the Query process that necessarily restricts to a certain document type, however, only Backorders can be transferred. The Query will automatically restrict to Backorders.

Transfer Rules: The following rules will be followed when combining documents:

- Only Backorders can be transferred (to Orders)
- The Order Type ID for the Orders created during the transfer will come from the Sales Back Order Setup “Use Order ID” field.

After clicking the PROCESS button the user will be asked to confirm they are ready to Transfer. If so, all documents will be (1) transferred to the new Batch ID, the (2) transferred from Backorders to Orders.

The Mass Transfer process will use the existing Dynamics GP Transfer functionality. All of the transfer logic and or restrictions that GP normally applies, will be exhibited during this process.

The only exception is that the SOP Line Item Quantities will be in Qty To Back Order. Normally GP attempts to Allocate and Fulfill lines during the transfer process, and this will be overridden by the Mass Transfer process.

When finished, the system will print the “SOP Transfer Log” report that GP normally prints after the transfer (see Report Sample).

Report Sample	CCDA

Screen Output - SOP Transfer Log

Print | Send To | 100% | Completed 1 Page

```
System:      11/26/2008   8:38:10 AM                Fabrikam, Inc.
User Date:   4/12/2007                           Sales Transfer Log
                                                Sales Order Processing

Order ORDST2275 successfully transferred to Invoice STDINV2312.
Order ORDST2278 successfully transferred to Invoice STDINV2313.

       0 Error(s) during transfer
       2 Document(s) transferred successfully
```