DS0688

Auto-Create Transfers

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Problem Definition

Problem Definition	CCDA
ACME Co. has the need to transfer material between Site IDs within GP. Their current process entails the following: 1. A Sales Order is entered into the System. 2. The Sales Order is shipped through Starship and shipping data is written back to GP. A Packing Slip and BOL are printed for the Shipment. 3. The next day, the Sales Order is manually voided and then a Transfer is completed and posted to move the Inventory to its new Site. There are several factors that make this process ineffective: • The process is manual. • From the time the Sales Order is voided to when the Transfer is created, the unallocated goods from the voided Sales Order can become reallocated to new Sales Order lines. • When the Transfer posts, the transferred inventory is immediately visible in the "Transfer To" site, even though the inventory does not physically arrive at the "Transfer To" site for a period of days.	

Solution Overview

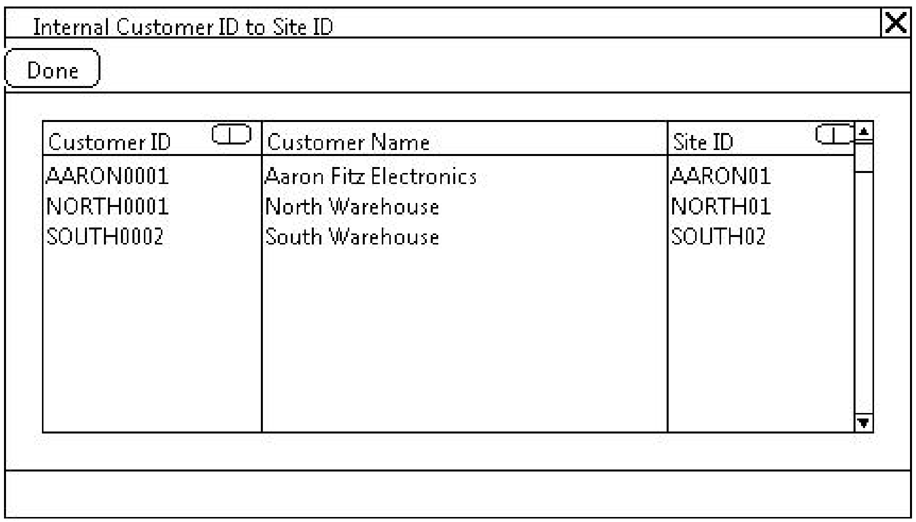
Solution Overview	CCDA
ACME finds creating the Sales Order for the internal transfer to be a valuable step in the process. It provides a way to utilize Starship for shipping the product as well as provides the needed documentation (i.e. Pick Ticket, Packing Slip and BOL). Therefore, the Sales Process will remain as is. All Sales Orders used in the internal transfer process begin with the prefix "TRX". When a "TRX" Sales Order is manually voided, the enhancement will initiate the Auto-Create Transfer process. The Auto-Create Transfer process will be a three-step process. The first two steps will occur when the "TRX" Sales Order is voided. The enhancement will: 1. Create and post a "Shipping" Transfer Document which will move the goods from the Sales Order Header's Default Site ID into a designated Transit Site, CICTROT. 2. Create a "Receiving" Transfer Document to move the goods from CICTROT to the End Site. The "Receiving" Transfer Document will NOT be posted immediately. The third step will run each day when the first POWERUSER logs into Dynamics GP. The enhancement will: 3. Post any "Receiving" Transfer Documents that have a Posting Date equal to or less than the Current Date. The enhancement will also provide functionality to link Internal Customer ID's to End Sites. This will allow the automation of Transfer Documents out of and into the appropriate Site ID. The enhancement will also provide a window for users to set standard transit times between Site ID's allowing for a more accurate representation of actual Transfer times.	An alternative to utilizing the POWERUSER role for posting "Receiving" Transfer Documents would be to provide another GP Role to use in its place. The GP Role must have access to Inventory Transfer Documents, Reports and Posting. The Approval Page of this document (page 19) has a field to specify the GP Role to use. It is currently set to POWERUSER. If POWERUSER should not be used, please update the field prior to forwarding back the Approval Page of this document.

Design Features

Internal Customer ID to Site ID	CCDA

Navigation: Setup→Sales→Customer ID to Site ID

This window is used to create a link between an internal Customer ID and a Site ID. The enhancement will use this link to determine the End Site to transfer material to when a “TRX” Sales Order is voided.



= Lookup Button

Field	Function
Done Button	The user will click the DONE button to exit the window.
Customer ID	The user will enter or select a Customer ID from the lookup. A Customer ID may only be entered once in the scrolling window.
Customer Name	The corresponding Customer Name will default. This field is not editable.

Site ID	The user will enter or select a Site ID from the lookup. The Site ID should represent the internal Customer's Site ID where the product is being shipped to.

PLEASE NOTE:

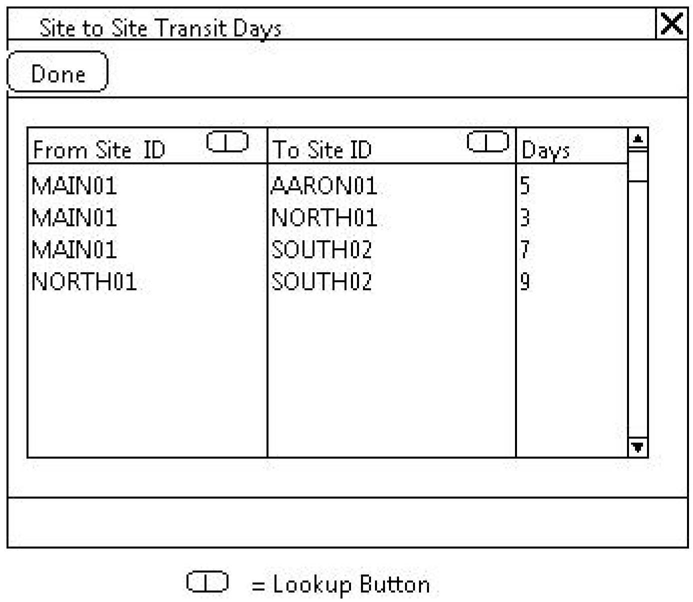
- To delete a record, the user will navigate to Edit→Delete Row.
- If a Customer ID is deleted from the system, the Customer ID/Site ID record will be deleted.
- If a Site ID is deleted from the system, the Customer ID/Site ID record will be deleted.

Site to Site Transit Days

CCDA

Navigation: Setup→Sales→Site to Site Transit Days

This window is used to set the transit days for Site to Site Transfers which are created through the Auto-Transfer enhancement when a “TRX” Sales Order is voided.



Field	Function
Done button	The user will click the DONE button to exit the window.
From Site ID	The user will enter or select the From Site ID from the lookup. The From Site ID should represent the Default Site ID set on the voided Sales Order to ship product from.

To Site ID	The user will enter or select the To Site ID from the lookup. The To Site ID should represent the internal Customer's Site ID where the product is being shipped to.
Days	The user will enter a whole number. This number represents the average number of days it takes for a shipment sent from the From Site ID to arrive at the To Site ID.

PLEASE NOTE:

- To delete a record, the user will navigate to Edit→Delete Row.
- If a Site ID is deleted from the system, all records containing the Site ID, as a From Site ID or as a To Site ID, will be deleted.

Auto-Transfer Process	CCDA
The Auto-Transfer process will initiate when a Sales Order that has a prefix of "TRX" is voided in the Sales Transaction Entry window. The Sales Document must be an ORDER. While the Sales Order is displayed, the user will click on the ACTIONS button and select VOID from the dropdown. The enhancement will do the following: 1. Validate that the Sales Order Number is less than or equal to 16 alphanumeric characters. If the Sales Order Number is greater than 16 alphanumeric characters, the Sales Order will be voided; however, the user will be warned that the Auto-Transfer process will not run. The Transfer Documents will need to be completed manually. 2. Validate that the Transfer Documents' numbers to be created do NOT already exist. If any of the document numbers do exist, the Sales Order will be voided; however, the user will be warned that the Auto-Transfer process will not be run. The Transfer Documents will need to be completed manually. 3. Validate the current Fiscal Period is open for both Financials and Inventory. If either module's Fiscal Period is closed, the Void Process will stop. The user will be warned of the condition and will be unable to continue. The user may open the Fiscal Period for both Financials and Inventory and re-click on the VOID button to void the Sales Order document. 4. Validate that the Customer ID on the Sales Order has a Site ID set in the Internal Customer ID to Site ID setup window. If the Customer ID does not have a corresponding Site ID, the Void Process will stop. The user will be warned of the condition and will be unable to continue. The user may enter the Internal Customer ID/Site ID combination before initiating the Void process again. If the Customer ID has a valid Site ID set, the Sales Order will be voided. 5. Create and post a "Shipment" Transfer Document for each Sales Inventory or Discontinued Item on the Sales Document. The Transfer Document's Header will hold the following detail: • **Document Number** = Sales Order Number + S. For example, if the Sales Order Number is TRX0005, the Document Number will be TRX0005S. • **Transfer Document Date** = Current Date (MMDDYYYY) • **Posting Date** = Current Date (MMDDYYYY) • **Batch ID** = Transfer Document Number. If the Document Number is greater than 15	

characters, the Batch ID will be truncated. • **From Warehouse** = Voided Sales Order Header's Default Site ID • **To Warehouse** = CICTROT The Transfer Document's Line will hold the following detail for each of the voided Sales Order's Lines for its Sales Inventory or Discontinued Line Items: • **Item Number** = Sales Line's Item Number • **UOM** = Sales Line's UOM • **Quantity** = Sales Line's Fulfilled Quantity • **From Warehouse** = Voided Sales Order Header's Default Site ID • **To Warehouse** = CICTROT If any of the Items on the voided Sales Order are not assigned to either Site ID, they will automatically be assigned to the Site(s) by the enhancement. If any of the Items on the voided Sales Order are Lot-Controlled, the same Lot Numbers originally allocated to the Sales Order will be used in the Auto-Transfer process. 6. Create a "Receipt" Transfer Document for each Sales Inventory or Discontinued Item on the Sales Document. The Transfer Document's Header will hold the following detail: • **Document Number** = Sales Order Number + R. For example, if the Sales Order Number is TRX0005, the Document Number will be TRX0005R. • **Transfer Document Date** = Current Date (MMDDYYYY) • **Posting Date** = Current Date plus Transit Days set in Site to Site Transit for the originating Site to the End Site. If no Transit Days have been set, the Posting Date will be set to the Current Date. (MMDDYYYY) • **Batch ID** = Transfer Document Number. If the Document Number is greater than 15 characters, the Batch ID will be truncated. • **From Warehouse** = CICTROT • **To Warehouse** = Site ID set in the Internal Customer ID to Site ID setup. The Internal Customer ID will be the Customer ID from the voided Sales Order. The Transfer Document's Line will hold the following detail for each of the voided Sales Order's Lines for its Sales Inventory or Discontinued Line Items:	

- **Item Number** = Sales Line's Item Number
- **UOM** = Sales Line's UOM
- **Quantity** = Sales Line's Fulfilled Quantity
- **From Warehouse** = CICTROT
- **To Warehouse** = Site ID set in the Internal Customer ID to Site ID setup. The Internal Customer ID will be the Customer ID from the voided Sales Order.

The "Receipt" Transfer Document will NOT be posted by the enhancement immediately.

If any of the Items on the voided Sales Order are not assigned to either Site ID, they will automatically be assigned to the Site(s) by the enhancement.

7. The enhancement will auto-post the "Receipt" Transfer Documents based on the document's Posting Date. Each day that a POWERUSER logs into Dynamics GP, the enhancement will post all Transfer Documents that meet the following criteria:

   - The Transfer Document Number begins with the prefix "TRX"
   - The Transfer Document Number ends with the suffix "R"
   - The Transfer Document's Posting Date is equal to or less than the current date

   Prior to posting the Transfer Document(s), the enhancement will validate that the Fiscal Period is open for both Financials and Inventory. If the Fiscal Period for either module is NOT open, the posting process will not run.

Error Reporting	CCDA

If the enhancement is unable to complete any of the steps during the Auto-Transfer process, the user will be prompted to print an Error Report. The Error Report will detail the following:
• Voided Sales Order Number
• Document Number which Error occurred ("Shipping" Transfer or "Receiving" Transfer)
• Item Number (if applicable)
• Lot Number (if applicable)
• Error Message
  ○ Not Enough Quantity Available
  ○ Lot Number is unable to be Allocated
  ○ Item Number is Inactive (Only applies if enhancement is designed for GP2013)
  ○ Transfer Document is unable to be Posted
 	
The user will need to correct the error within GP. The user will then need to manually finish the Transfer Process.	

Assumptions/Requirements	
• **Multiple Bins is NOT enabled.** • **Serialized Items are NOT used.**	