
Enhanced XA Development with *Enterprise Integrator and System Link*

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Enterprise Integrator + System Link

- Included in Flex
- Development tools
- Deliver creative solutions to meet your unique requirements
 - New functions, integration, automation

Enterprise Integrator + System Link

- El Business objects – XA and User Defined, business logic, custom transactions
- Publish and subscribe
- System-Link provides off-line load capabilities

Requirement-Drop Ship Cust. Orders

- Does not make sense to stock all items
- High costs to manage low volume items

Replace this:

- Identify demand
- Create PO
- Receive items
- Stock items
- Pick items
- Ship items
- Invoice

With This:

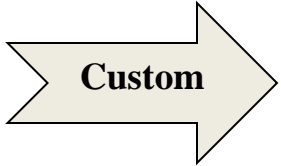
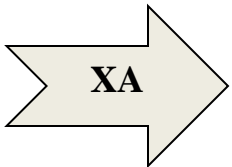
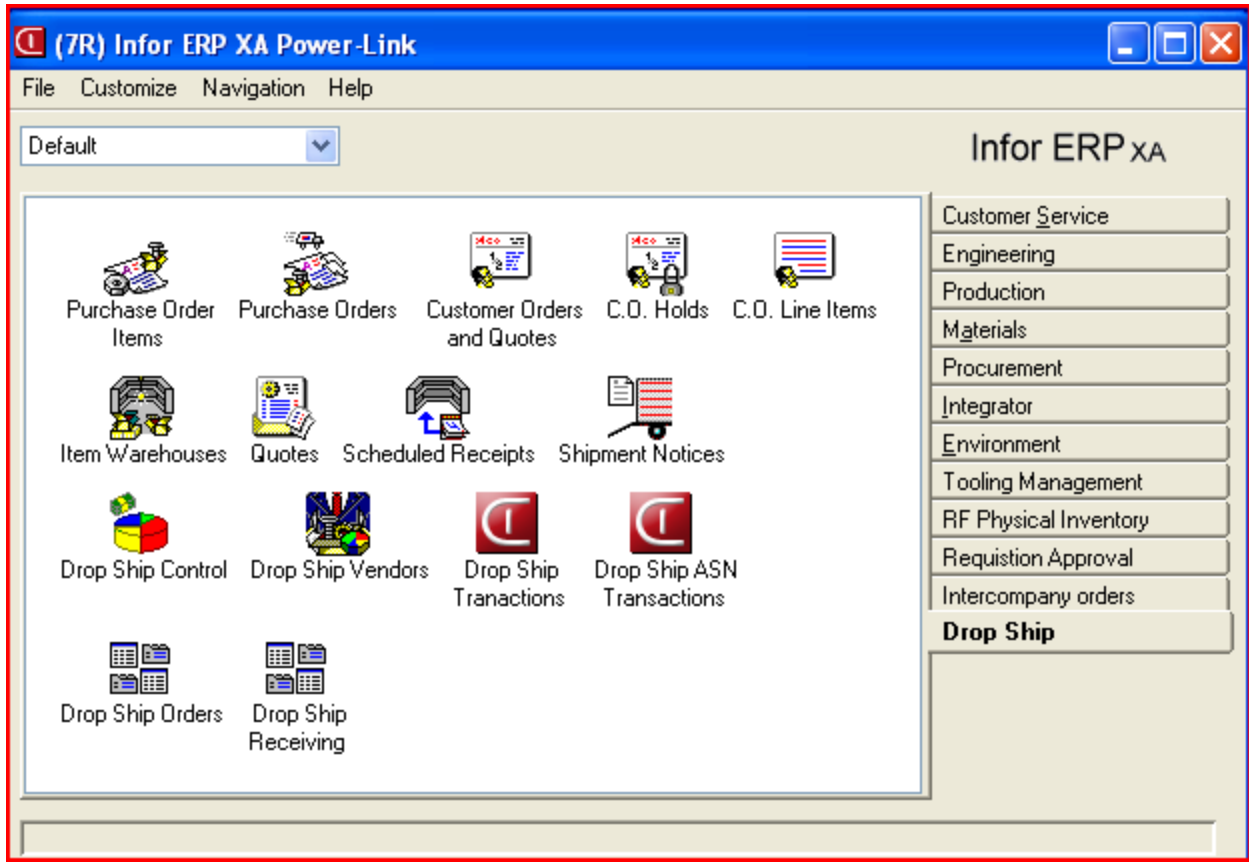
-Create Customer Order

- Invoice

Approach- Drop Ship CO's

- Flag 'drop ship' items with code in item master
- At end of order entry, identify those items
- Identify Vendor and price from Purchasing files
- Use System Link to create PO
 - Pass customer information to PO
- Vendor notifies when shipment occurs
 - Action to 'receive' enables 3 way match
 - Trigger to invoice

Development-Drop Ship CO's



Development-Drop Ship CO's

(7R) Drop Ship Vendors

File Display Maintain Customize Navigation Help

General (all records)

Drop Ship Vendors

Vendor Number	Hold Code	Contract ID	Payment Met...	Buyer
16	EN	00002	1 = Pay Frida...	100

Vendor related information

Development-Drop Ship CO's

(AA) Customer Orders and Quotes

Co	Order	Status	Customer	Addressee name	Whs	Order date	Referenc
1	CO 8212734	10 = Ent...	2035000	Comm Mid-America - IA (Des Moines)		09/23/2011	
1	CO 8212731	15 = No ...	12024000	Chubb Fire & Security		09/23/2011	
1	CO 8212727	10 = Ent...	70095000	Electrocom		09/23/2011	
1	CO 8212725	15 = No ...	8004000	KRATOS MID-ATLANTIC		09/23/2011	
1	CO 8212724	10 = Ent...	7008000	Evco Sound & Electronics		09/23/2011	
1	CO 8212723	10 = Ent...	2035000	Comm Mid-America - IA (Des Moines)		09/23/2011	
1	CO 8212722	10 = Ent...	8003000	Baltimore Sound Engineering, Inc.		09/23/2011	
1	CO 8212720	15 = No ...	7008000	Evco Sound & Electronics		09/23/2011	
1	CO 8212719	15 = No ...	12028000	Signet Electronic Systems		09/23/2011	
1	CO 8212717	10 = Ent...	12028000	Signet Electronic Systems		09/23/2011	
1	CO 8212716	10 = Ent...	12096000	Ronco Specialized Systems Inc.(Ton)		09/23/2011	
1	CO 8212715	15 = No ...	12096000	Ronco Specialized Systems Inc.(Ton)		09/23/2011	
1	CO 8212714	10 = Ent...	9014000	Datataik Telecom Inc.		09/23/2011	
1	CO 8212708	10 = Ent...	3059000	Systems Electronics, Inc.		09/23/2011	

(AA) C.O. Line Items

The limiting Customer Order no longer exists.
Please select a new Customer Order from the broadcasting list.

Line item status	Customer	Order	Line Seq	Item
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(AA) Purchase Orders

Order	Vendor	Vendor name	Order status	Release
P999999	12090	ADAM TECH	20 = Accepted	
P999998	12090	ADAM TECH	20 = Accepted	
P919193	50990	QUAM NICHOLS COMPANY	10 = Acceptance required	11/23/2011
P919192	50990	QUAM NICHOLS COMPANY	20 = Accepted	
P919191	50990	QUAM NICHOLS COMPANY	20 = Accepted	11/16/2011
P901301	27830	GM METAL FABRICATORS	40 = Receiving complete	09/20/2011
P901264	46000	LOGSDON OFFICE SUPPLY	20 = Accepted	09/20/2011
P901262	13700	BEST INC	40 = Receiving complete	09/15/2011
P901261	43130	NEWARK IN ONE	20 = Accepted	08/09/2011
P901259	27240	GRAYBAR ELECTRIC CO INC	20 = Accepted	08/23/2011
P901257	10540	SW ANDERSON COMPANY	60 = Closed	08/19/2011
P901256	13710	BEST INC	50 = Complete	08/19/2011
P901253	13700	BEST INC	20 = Accepted	07/25/2011
P901252	53310	AVNET ELECTRONICS, INC.	20 = Accepted	07/19/2011
P901251	13700	BEST INC	50 = Complete	07/13/2011
P901250	13700	BEST INC	50 = Complete	07/20/2011
P901248	30470	HAWK ELECTRONICS	20 = Accepted	08/30/2011

(AA) Purchase Order Items

The broadcasting Purchase Order list does not have a valid selection.
Please select a valid Purchase Order from the broadcasting list to continue.

Whs	Line	Item class	I/T	Item	Item description
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(AA) Drop Ship Transactions

Vendor	Company	C.O. Type	C.O. Number	Process Status	Txn Type
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CO PO workbench with error transaction object

Development-Drop Ship CO's

The screenshot displays two SAP windows. The top window, titled '(AA) Scheduled Receipts', shows a table of scheduled receipts with columns for Arrival, Item, Whs, Open qty, Stk UM, Scheduled qty, Order, Line, Rel, Status, and Shipment. The bottom window, titled '(AA) Drop Ship ASN Transactions', shows a table with columns for Transaction Type, ASN Token, Process Status, Ven... Num..., P.O. Number, P.O. Line #, P.O. Release #, and Shipment #.

Arrival	Item	Whs	Open qty	Stk UM	Scheduled qty	Order	Line	Rel	Status	Shipment
02/14/2012	AB1818	1	5.000	EA	5.000	PDS003	1	0	10 = Open	
02/14/2012	AB1818	1	25.000	EA	25.000	PDS004	1	0	10 = Open	
02/21/2012	AB1818	1	10.000	EA	10.000	PDS0006	1	1	10 = Open	
02/21/2012	AB3802	1	15.000	EA	15.000	PDS0006	2	1	10 = Open	
02/21/2012	AB1818	1	10.000	EA	10.000	PDS002	1	1	10 = Open	
02/21/2012	AB1818	1	7.000	EA	7.000	PDS005	1	1	10 = Open	
02/21/2012	AB3802	1	10.000	EA	10.000	PDS005	2	1	10 = Open	

Transaction Type	ASN Token	Process Status	Ven... Num...	P.O. Number	P.O. Line #	P.O. Release #	Shipment #

Receive, Pick, Ship, Financials, Error Txns

Development-Drop Ship CO's

(AA) Scheduled Receipts

File Display Maintain Customize User Navigation Help

General Drop Ship

Scheduled Receipts

Arrival	Item	Whs	Open qty	Stk UM	Scheduled qty	Order	Line	Rel	Status	Shipment
02/14/2012	AB1818	1	5.000	EA	5.000	PDS003	1	0	10 = Open	
02/14/2012	AB1818	1	25.000	EA	25.000	PDS004	1	0	10 = Open	
02/21/2012	AB1818	1	10.000	EA	10.000	PDS0006	1	1	10 = Open	
02/21/2012	AB3802	1	15.000	EA	15.000	PDS0006	2	1	10 = Open	
02/21/2012	AB1818	1	10.000	EA	10.000	PDS002	1	1	10 = Open	
02/21/2012	AB1818	1	7.000	EA	7.000	PDS005	1	1	10 = Open	
02/21/2012	AB3802	1					2	1	10 = Open	

(AA) Drop Ship Receive Complete

Template: Default

Carrier: (blank)

Location: []

Invoice Number: []

Tracking Number: []

Auto advance

Continue Bypass Cancel Help

Transaction object with Template

Requirement-Intercompany Orders

- Company has multiple locations
- Some plants use parts produced by other plants
- Some plants use XA....some do not
- Need an easy way for using plants to create/maintain PO's and supplying plant to create/maintain CO's.
- Need to make sure lead times are acceptable

Approach(es)-Intercompany Orders

Plants that use XA

- Using plant creates PO in Procurement Mgmt
 - Automatically create a CO for supplying plant
- Using plant adds line item to PO
 - Checks to ensure acceptable lead time
 - Adds CO line item for supplying plant
- Maintain PO allowed only if outside 2 weeks.
create/maintain PO's and supplying plant to
create/maintain CO's.

Approach(es)-Intercompany Orders

Plants that don't use XA

- Web access using Catavolt Extender Application
- Login to XA, initiate electronic requisition approval process (CISTECH solution)
- Approval of requisition creates PO
 - Checks to ensure acceptable lead time
 - Adds CO and CO line item for supplying plant

Approach(es)-Intercompany Orders

Solution

- When PO is created or maintained, System-Link will load the Customer Order, linking by user sequence and User defined fields
- Vendor Customer cross reference table for related information

(7R) Purchase Orders

File Display Maintain Customize Navigation Help

General (all records)

Purchase Orders

Order	Vendor	Vendor name	Order status	Create	Confirm by Date	Buyer	Container Date Fro...	Air shipment	Quote/order number	Ord.
P000639	16	Sony Electronics - Japan	20 = Acceptance received o...	05/29/2011	05/31/2011	1000		No		
P000635	16	Sony Electronics - Japan	10 = Acceptance required	07/29/2011	08/05/2011	100	09/28/2012	Yes		
P000634	16	Sony Electronics - Japan	20 = Acceptance received o...	06/01/2011	06/11/2011	100		No		
P000633	16	Sony Electronics - Japan	20 = Acceptance received o...	05/29/2011	05/31/2011	1000		No		
P000632	16	Sony Electronics - Japan	20 = Acceptance received o...	05/29/2011	05/31/2011	1000		No		
P000631	16	Sony Electronics - Japan	10 = Acceptance required	05/29/2011	05/31/2011	1000		No		
P000630	16	Sony Electronics - Japan	10 = Acceptance required	05/29/2011	05/31/2011	1000		No		
P000629	16	Sony Electronics - Japan	10 = Acceptance required	06/01/2011	06/08/2011	100	05/25/2012	Yes	11243	
P000628	16	Sony Electronics - Japan	20 = Acceptance received o...	05/29/2011	06/08/2011	100		No		
P000627			=					No		

(7R) Customer Orders and Quotes

File Display Maintain Customize Navigation Help

hydro (all records)

Customer Orders and Quotes

Co	Order	Customer	Name	Whs	Order date	P.O.	Status	P.O. revision	Reference
1	CO 11246	601	** Not Authorized **	1	06/01/2011		15 = No L...		
1	CO 11245	101	** Not Authorized **	1	06/01/2011		10 = Ent...		
1	CO 11244	101	** Not Authorized **	1	06/01/2011		10 = Ent...		
1	CO 11243	101	** Not Authorized **	1	06/01/2011	P000629	00 = Inc...	INETRCO	
1	CO 11242	101	** Not Authorized **	1	05/31/2011		10 = Ent...		
1	CO 11241	101	** Not Authorized **	1	05/31/2011		10 = Ent...		P123456
1	CO 11240	101	** Not Authorized **	1	05/31/2011		10 = Ent...		
1	CO 11239	101	** Not Authorized **	1	05/31/2011		10 = Ent...		
1	CO 11238	101	** Not Authorized **	1	05/30/2011		10 = Ent...		

(7R) IC Customer Order Transaction

File Display Maintain Customize Navigation Help

General (all records)

IC Customer Order Transaction

P.O. Number	P...	Process Status
P000635	1	Error
P000635	3	Not Processed
P000635	4	Not Processed
P000635	5	Not Processed

Workbench for working with transactions

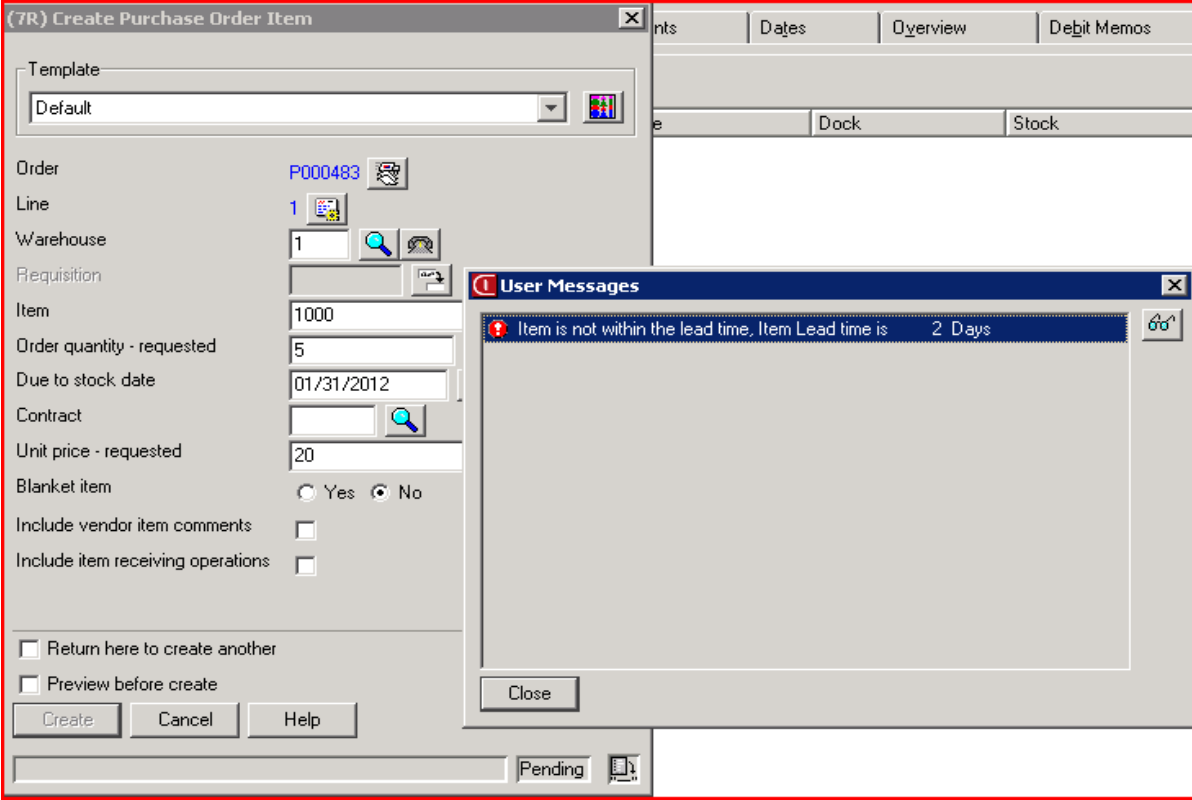
Development-Intercompany Orders

The screenshot shows a SAP dialog box titled "(MM) Create UK Purchase Order". The dialog contains the following fields and options:

- Template:** A dropdown menu set to "UK InterCO PO Creation".
- Order:** An empty text input field.
- Buyer:** An empty text input field.
- Supplier:** A text input field containing "F06236".
- Container Ship Date From US:** A date input field with slashes (//).
- Ship via:** A dropdown menu set to "(blank)".
- Hold Fax/E-mail:** Radio buttons for "Yes" and "No", with "No" selected.
- Return here to create another:** An unchecked checkbox.
- Preview before create:** A checked checkbox.
- Buttons:** "Create", "Cancel", and "Help".

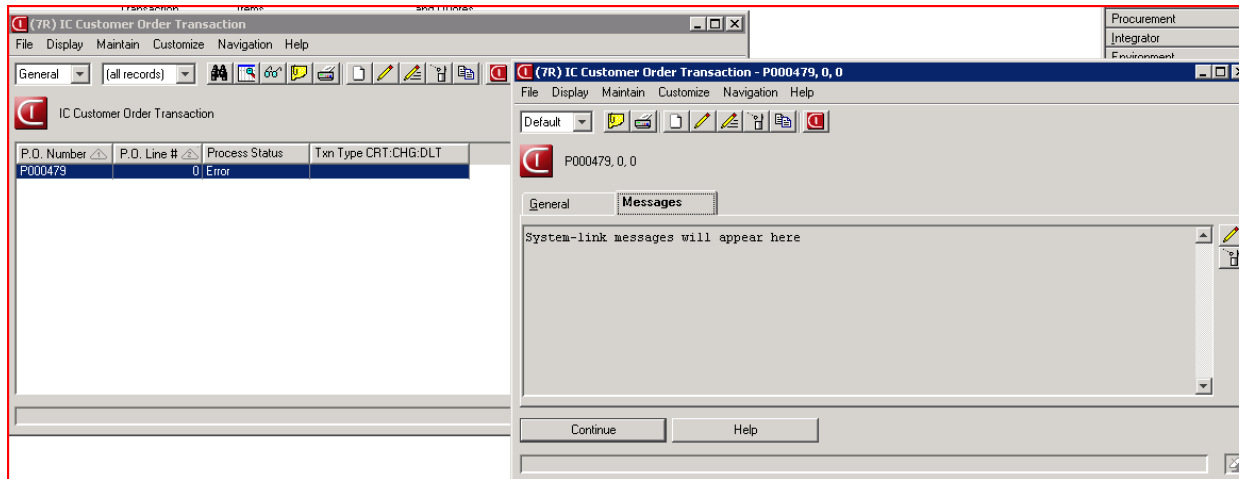
Special template to default values and identify as an intercompany order

Development-Intercompany Orders



Custom edits to check dates against lead time

Development-Intercompany Orders



Review errors and Reprocess from this object

Requirement-Better Supplier Comm.

- PO's are sent, need to confirm supplier can meet delivery date or propose an alternative
- XA needs to reflect actual status
- Minimize maintenance

Approach-Better Supplier Comm.

- Supplier accesses web application using Catavolt XA Extender
- Presented with PO information
- Accept PO
 - Creates VA transaction
- Propose change: ½ of order will ship one week late
 - Reduce quantity of initial PO Line item
 - Create second PO line item with new date/quantity

Development-Better Supplier Comm.

Open Orders ✖

Welcome to your Supplier Account Center Trailer Sales of Woodstock

Current Orders General ▾

Order	Rel	Customer Item	Supplier Item	Description	Price	Quantity	UM	Confirm By	Dock Due Date	Proposed Quantity	Proposed Dock Date	Proposed Split Qty	Proposed Split Dock	Status
P001068	0	BUMPER	BUMP009-459	Front Bumper - Chrome	185.00	10.00	EA	8/13/2012	8/20/2012	8	10/5/2012	2	11/16/2012	Proposed
P001068	0	REAR LIGHT	589-R5D-0031	Light - Red - Stop Tail &	22.50	11.00	EA	8/13/2012	8/20/2012	0		0		Short Shipped
P001068	0	REAR LIGHT	589-R5D-0031	Light - Red - Stop Tail &	22.50	9.00	EA	8/13/2012	8/20/2012	0	8/22/2012	0		Backorder Proposal
P001067	1	X-MEM 001	XMEM09876-AVC	Crossmember 4in 80ksi	15.00	77.00	EA	8/9/2012	9/17/2012	0		0		Supplier Accept
P001067	2	X-MEM 001	XMEM09876-AVC	Crossmember 4in 80ksi	15.00	23.00	EA	8/9/2012	8/9/2012	0		0		Supplier Accept
P001065	0	X-MEM 001	XMEM09876-AVC	Crossmember 4in 80ksi	15.00	100.00	EA	8/13/2012	8/20/2012	0		0		Customer Review
P001064	0	SIDE LIGHT	589-Y5D-0032	Light - Amber LED	20.00	200.00	EA	8/15/2012	8/22/2012	0		0		Supplier Accept

Supplier has proposed new Dock Date and split Qty

Development-Better Supplier Comm.

(99) Scheduled Receipts

File Display Maintain Customize Navigation Help

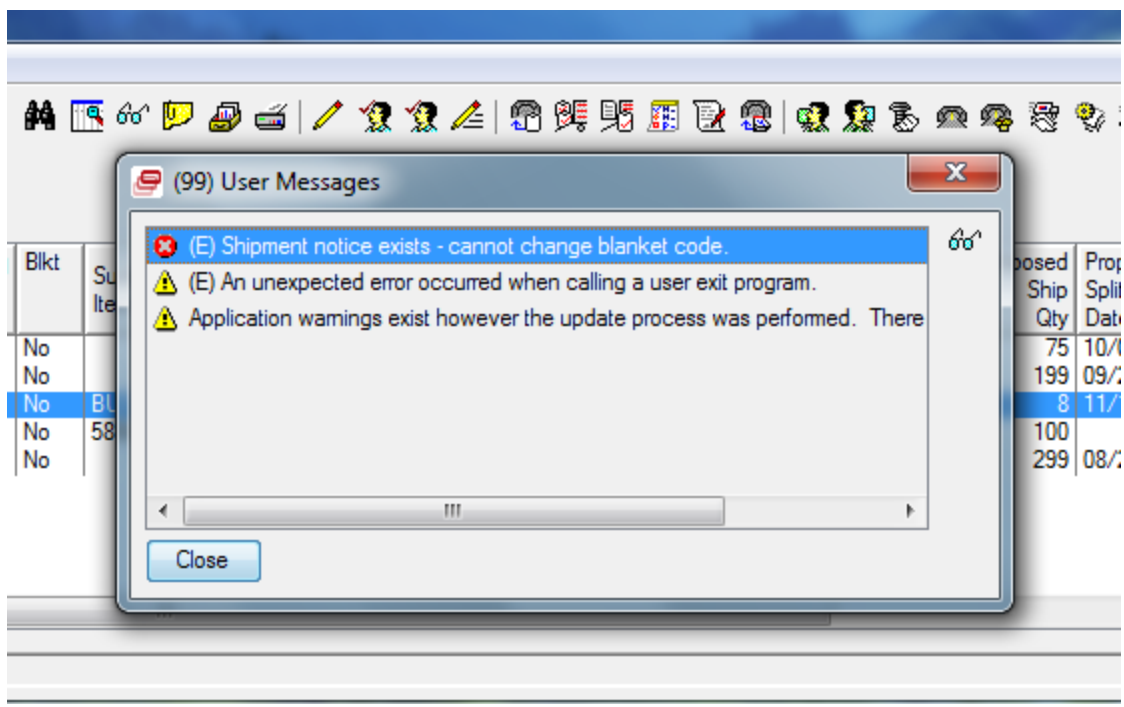
SWP General - Inter... (temporary) - Status

Scheduled Receipts

Vndr	Allow Blkt	PO	Cust Item	Seq	Blkt	Supplier Item	Due to Dock	Rel	Requested Quantity	Status	Proposed Ship Date	Proposed Ship Qty	Proposed Split Date	Proposed Split Qty
14	Yes	PK1003	826802		No		09/19/2012	0	100.000	Proposed	09/21/2012	75	10/05/2012	25
14	Yes	PK01004	826802		No		09/07/2012	0	100.000	Proposed	09/07/2012	199	09/28/2012	201
007000	Yes	P001068	BUMPER		No	BUMP009...	08/20/2012	0	10.000	Proposed	10/05/2012	8	11/16/2012	2
007000	Yes	P001063	REAR L...		No	589-R5D-...	08/27/2012	0	100.000	Proposed	08/30/2012	100		0
14	Yes	PK01005	1300		No		08/10/2012	0	100.000	Proposed	08/10/2012	299	08/24/2012	101

Select Scheduled Receipt to process and click the Accept Supplier Proposal Action. SL does the rest.

Development-Better Supplier Comm.



Handle error messages returned by System-Link

Requirement- Automated Cust Orders

- Creation and maintenance of customer orders from large customer is time consuming
- Order information is available from their web site
- Automatically create and maintain customer orders in XA
- Minimize manual intervention

Approach- Automated Cust Orders

- Extract orders into CSV file
- Automatically create CO's for new orders
- Automatically update existing CO's if date or quantities change
 - delete all lines and reload with the new demand

Enterprise Integrator + System Link

- Future of XA Development
- Catavolt Extender adds to your toolkit
- What are you waiting for?
 - CISTECH can provide education or support pilot projects