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# EDI 945 - Warehouse Shipping Advice

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# **Overview**

The EDI 945 Warehouse Shipping Advice transaction confirms a shipment. A warehouse can use this transaction to notify a trading partner that a shipment has been made.

# **Prerequisites**

Before continuing with the EDI 945 configuration, make sure EDI is properly configured in SalesPad by reviewing the following documentation:

- EDI Installation
- EDI Processing
- Data Cross Reference
- Business Object Mapping
- EDI Server Connection Setup
- EDI Trading Partner Setup Steps

### **Data Cross Reference**

Select the EDI tab on the ribbon and open the Data Cross Reference screen.

🗊 Data Cross Reference 🗙	
📑 Close 🛛 Refresh 🛛 🛃 Sa	ve
Partners:	
🕂 New 🔻 📄 Copy 💥 Dele	ete 🛛 🕞 Export Selected 🦙 Import 📧 Import Into Selected
Trading Partner ID	EDI
000ALLCERT	945 Warehouse Shipping Advice

 $Click \ the \ New \ button \ to \ add \ a \ new \ trading \ partner \ and \ set \ the \ following \ columns:$ 

ColumnValueTrading Partner IDTrading partner ID from the EDI order header, such as 000ALLCERTPartnership"Warehouse"Customer Num(Leave blank)WarehouseWarehouse/locationEDI945 Warehouse Shipping Advice

Make sure the new trading partner is selected and then fill out the following mapping tabs as needed:

- Addresses
- Items
- Units of measures
- Currencies
- Payment terms
- Shipping methods

Save all changes and close the Data Cross Reference screen.

# **Business Object Mapping**

Select the EDI tab on the ribbon and open the Business Object Mapping screen.

🇞 945 - 945 🗙				
📑 Close 🛛 ಿ Refre	esh 🛛 🛃 Save			
Transactions:				
🕂 New 📄 Copy	💥 Delete 🛛 🕞 Expo	ort Selected 🛭 🦕	Import	🍓 Update All Mapp
Mapping Name	Provider	EDI	EDI Descr	iption
RBC 945	RBC	RBC	R 8 C	
945	SPS Commerce	945	Warehous	e Shipping Advice

Click the New button to add a new transaction and set the following columns:

Column	Value
Mapping Name	Name of the 945 transaction mapping
Provider	SPS Commerce
EDI	945
Schema Name	Shipments
Direction	In
Document Type	Sales Document
Document Subtype	Sales document type and ID in Dynamics GP, e.g. "ORDER WMSORDER"
Trading Partners	Trading partners to which the mapping applies (trading partners are configured on the Data Cross Reference screen)
Commisto Eulfilment	Enclos this to undets foldillusent on the color desument

Complete Fulfillment Enable this to update fulfillment on the sales document

The EDI 945 (Warehouse Shipping Advice) and EDI 856 (Ship Notice Manifest) business object mappings share the same default fields. To get the 945 to work correctly, remove the following fields:

- All fields mapped to SalesDocument in the Business Object column except DepositorOrderNumber and PurchaseOrderNumber under the OrderLevel > OrderHeader node. Even the TradingPartnerId field needs to be removed.
- The Static Values under the Shipment > Header > ShipmentHeader node.
- Any fields with a blank **Property Name** column value. For example, the **Shipment > Header > Address** node has various lines with **CustomerAddr** in the **Business Object** column, but it has a blank cell in the **Property Name** column because it isn't used in the 945.

Save all changes and close the Business Object Mapping screen.

# **EDI Processing**

Select the EDI tab on the ribbon and open the EDI Processing screen.

#### Steps

To process an EDI 945 transaction, follow these steps:

1. Click the Send button and select the relevant EDI provider in the prompt.



2. Select the 945 XML file that should be processed and click Open.

Open Open							×
$\leftrightarrow \rightarrow \checkmark \uparrow$	🔜 > Thi > D	eskt	~	С	Search Desktop		مر
Organize 🔻 New fol	der				8	• 🔳	(2)
✓ ★ Quick access dev Desites	*	Name Local Cu:	stomer	Files			
✓ Downloads ☑ Documents	* *	945-SW2	321447 v-01 Si v-01 Si	521.xml hares			
🔀 Pictures	*	j sprincser					
File	<u>n</u> ame: 945-SW2	321447521.xm	ıl	~	XML Files (*.xml)	Cancel	

3. Select the directory and click OK.

SalesPad		23
	Select a directory:	
	Download Test	
	OK Cance	ł

4. Click the Retrieve button to process the transaction. A message should appear in the Transaction Log grid that the transaction was processed successfully.

Transaction Log:					
Timestamp	Status	Text			
4/10/2024 3:51:42 PM	Retrieved	Document '945-SW2321447521.xml' downloaded.			
4/10/2024 3:51:42 PM	Processing	Processing document.			
4/10/2024 3:51:43 PM	Processed	Sales Document ORDER ORD1010 saved.			
4/10/2024 3:51:43 PM	Processed	Sales Document ORDER ORD1010 saved.			
4/10/2024 3:51:44 PM	Processed	Document processed.			

Note: Processing errors are usually caused by missing mappings on the Data Cross Reference screen or missing serial/lot numbers in Dynamics GP. Ensure that the packing information in the 945 XML file, such as serial/lot numbers, exists in GP before processing the 945 transaction.

Transaction Log:		
Timestamp	Status	Text
4/10/2024 3:49:10 PM	Retrieved	Document '945-SW2321447521.xml' downloaded.
4/10/2024 3:49:10 PM	Processing	Processing document.
4/10/2024 3:49:12 PM	Processed	Sales Document ORDER ORD 10 10 saved.
4/10/2024 3:49:13 PM	Processed	Sales Document ORDER ORD 10 10 saved.
4/10/2024 3:49:15 PM	ProcessError	Could not find lot number 20181019_0002 when fulfilling item WIRE-MCD-0001.
4/10/2024 3:49:15 PM	ProcessError	Could not find lot number 20181019_0002 when fulfilling item WIRE-MCD-0001.
4/10/2024 3:49:15 PM	ProcessError	Could not find serial number 20190226_197062 when fulfilling item 100XLG.
4/10/2024 3:49:15 PM	ProcessError	Could not find serial number 20190226_197061 when fulfilling item 100XLG.

#### Example

A sample order ORD1010 for the AARONFIT0001 (Aaron Fitz Electrical) customer has a non-tracked item 128 SDRAM, lot-tracked item WIRE-MCD-0001, and serial-tracked item 100XLG. All items have a quantity of 2 and are fully allocated but not yet fulfilled.

🗋 (ORDER) OF	RD1010 ×						
Close	🚽 Save 🛛 🕞 Print 🔲	🥵 Fulfillment 🛛 🚡 Run	Script 🛛 📲 S	plit Sales Documen	t 💣 ITT Gene	ration	
Document Prop	perties						
Document #:	ORD 10 10						
Customer #:	AARONFIT0001						
Cust PO:							
Reg Ship:	11/8/2023						
Ship Method:	GROUND						
Whse:	WAREHOUSE						
Currency:	Z-US\$						
Line Items N	otes Addresses Holds U	Jser Fields Audit Relate	d Documents	Purchases Quick F	Report FedEx (	Quote	
🙀 New 🙀	Delete 📫 Insert 🛛 📳	Sales Line Resources	🛷 Sales Lin	e Components			
Item Number			Item Cla	ass Code			
128 SDRAM							
Line Num	▲ Item	Description	Qty	Qty Allocated	Qty Fulfilled		
16,384.	00 128 SDRAM	128 meg SDRAM	2	2	0		
32,768.	00 WIRE-MCD-0001	Multi conductor wire	2	2	0		
49,152.	00 100XLG	Green Phone 2 2 0					

The following 945 XML will fulfill and pack order ORD1010:  $% \label{eq:constraint}$ 

<?xml version="1.0" encoding="utf-8"?> 000ALLCERT SQDSHIP000005 2019-06-23 0001 TESTBILL0001 TESTPRO0001 011 2018-07-07 CN PRO123 SE SEAL123 SI EQU123 ST AMYS KITCHEN INC AMYS DRIVE THRU RESTAURANT 58 GOLF COURSE DR W ROHNERT PARK CA 94928-801 US WH PACIFIC COAST WAREHOUSE 3601 Jurupa ONTARIO CA 91761 US M UPS UPS NVAL PP ORD1010 ORD1010 1 P 00076543210000020000 12345678900001 CP BXI 05 175.00000 LB 1 128 SDRAM 2 1 EA 0 WIRE-MCD-0001 2 1 FT 0 LT LOT B 2 100XLG 2 1 EA 0 CL SE 5 2 P 00076543210000020001 12345678900002 CP COL 72 175.00000 LB 2 128 SDRAM 2 1 EA 0 WIRE-MCD-0001 2 1 FT 0 LT LOT1 2 100XLG 2 1 EA 0 CL SE 6 2 3 2251

Non-tracked item fulfillments will be updated to show the assigned quantities:

Sales Fulfillment - ORD 10 10								
Select a line item:				Fulfillment Detail:				
Show all lines								
Item Number	Descr	Qty		Not Serial/Lot Tracked	Qt	/ Bin		
128 SDRAM	128 meg S	0		RBC	=	RBC		
WIRE-MCD-0001	Multi cond	0				AUTOCREATE		
100XLG	Green Pho	0						

Lot-tracked item fulfillments will be updated to show the quantities for the specified lots:

	Fulfilment Detail:					Select a line item:
						Show all lines
Bin	Qty	Lot Numbers		Qty	Descr	Item Number
R B C	=	RBC		0	128 meg S	128 SDRAM
AUTOCREATE	1	LOT B		0	Multi cond	WIRE-MCD-0001
AUTOCREATE	1	LOT1		0	Green Pho	100XLG
AUTOCREATE	= 1	REC LOT B LOT 1		0	128 meg S Multi cond Green Pho	128 SDRAM WIRE-MCD-0001 100XLG

Serial-tracked item fulfillments will be updated to show the specified serial items:

Select a line item:			Fulfilment Detail:			
Show all lines						
Item Number	Descr	Qty	Serial Numbers	Qty	Bin	
128 SDRAM	128 meg S	0	RBC	=	8 <b>8 C</b>	
WIRE-MCD-0001	Multi cond	0	5	1	AUTOCREATE	
<u>100XLG</u>	Green Pho	0	6	1	AUTOCREATE	

The order shipment and packages will be created to match what is detailed in the 945:

Shipment	Manufacturing Ord	ders Resources	Service Transfers	Time In Queue	(0) EDI Order Ch	anges Cross Dock Sales	Line (0) EDI Order	r Changes 🔨 🕨		
💢 Remov	💢 Remove All Unfulfilled 🛛 🔯 🍓 Get Labels 👌 Print Labels 🍃 EDI 810 - Invoice 🍙 EDI 856 - Advance Ship Notice									
Shipping H	Shipping Header:									
ASN Numbe	er: S +	× Carrier Code	UPS Shipp	oing Method: GRC	L 🔻 Shipping Da	te: 11/8/ 🔻 Shippi	ng Cost: \$0.00	Ship Co		
Bill of Ladin	g:	Carrier Pro N	um: 🔻 Shipj	oing Weight: 225	1.00( Delivery Dat	te: 🔻		ASN Sei		
								F		
Packages						Items for LP000000	0011			
🕂 New	💢 Delete 🛛 🖓 🗘	Copy   Mest P	ackage   🌦 Unnest	Package		👍 Add 👍 Add	All Unpacked 🛛 💥	Delete 👻		
Number	Weight	Height	Width Le	ngth Tracking:	SSCC	Item Number:	UOfM Serial L	Qty		
LP0000000	11 175.00	0.00	0.00	0.00 123456789.	0007654321	: 128 SDRAM	EACH	1		
LP000000	12 175.00	0.00	0.00	0.00 123456789.	0007654321	: WIRE-MCD-0001	FOOT LOT B	1		
						100XLG	Each 5	1		
L										