

AutoPower EDI Module Guide

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AutoPower EDI Module



The AutoPower *EDI* Module sends and receives electronic documents. Typically EDI Documents (Purchase Orders, Order Confirmations, Invoices, and Advanced Shipping Notices) are transmitted between Trading Partners directly or using EDI network service providers also known as Value-Added Networks (*VANs*). Both of these transmission types are called Gateways in this document.

The EDI Module also incorporates the ability to deal with proprietary data exchanges where transmission formatting, form, data and use are tailored to a specific business need.

The EDI Module has four major components:



[Quarterback](#)



[Monitoring](#)



[Settings](#)



[Integration](#)

Quarterback – The EDI Quarterback will be used extensively in your organization to deal with EDI documents with procession exceptions and/or those documents requiring manual intervention to be processed.

Monitoring- The EDI Monitor provides an overview all documents received and sent. The Monitor display date-time, status, gateway and trading partner information and reach-through ability to details about each EDI exchange.

Settings- The Settings controls all of the rules and preferences for all *EDI* exchanges. This includes overall configuration, master EDI documents and settings related to connections to your trading partners.

Integration- *EDI* standards define which pieces of information are required and which are optional for a particular EDI document and establishes the rules for the structure of the document. Just as two houses can be built “to code” but look very different, two EDI documents can follow the same standard but contain different pieces of information. Integration is performed by AutoPower for each of your trading partners and the desired EDI document types to be exchanged.



Quarterback

The EDI Quarterback and associated dashboards will be used extensively in your organization to deal with EDI documents with processing exceptions and/or those documents requiring manual intervention to be processed.

Accessing the EDI Quarterback

The EDI Quarterback and associated dashboards will be used extensively in your organization to deal with EDI documents with processing exceptions and/or those documents requiring human intervention to be processed.

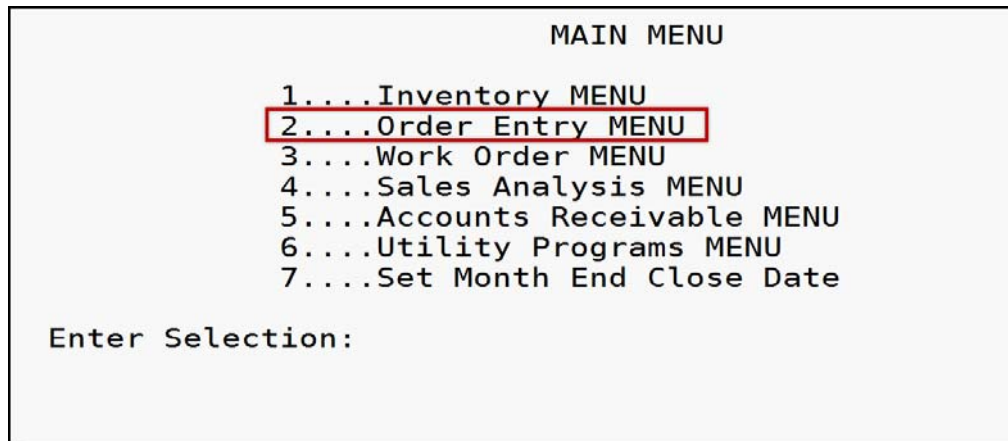
The EDI Quarterback should be accessed daily to manage EDI documents. The following steps detail how to access the EDI Quarterback Sales and Shipping Dashboard.

Step 1. Login into AutoPower.

Using your Username and Password, login into the AutoPower System.

Step 2. Display the Order Entry Screen.

On the main menu, select the "Order Entry Menu" option.



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When the "Order Entry Menu" displays, select the "Order Entry" option.

```
ORDER ENTRY MENU

1....Parts Inquiry
2....Order Entry
3....Customer - Part Purchase History
4....Reprint Invoice From History
5....Combine Work Order Pull Sheet.
6....B/O Processing MENU

7....Package Tracking# Entry.
8....Display/Print Orders On Hold.
9....Customer - Corebank Inquiry
10....Change PO/Tracking# on History Invoice.
11....Print Shipping Labels

Enter Selection:
```

This will display the Order Entry screen.

Step 3. Display the Sales and Shipping dashboard.

At the "Account No:" prompt, type EDI and then press ENTER.

Ship To:								
Terms:			Ctr:			PO:		
ITM	Part Number	AVL	ORD	SHP	B/O	Core	Price	Extension
Account No: EDI								
f1=Recall	f2=Search	f3=OpenOrd	f4=CustInq	f5=PartInq	f11=AddInfo f12=Notes			
f7=HistInq	f8=CoreInq	f9=PO LkUp						

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The Sales and Shipping Dashboard will display.

EDI Sales and Shipping Dashboard

Fix EDI 850 PO Errors 2 documents

ID	Date	Bill-To	Comment
456	10/01/2015	UNION PACIFIC RAILROAD	(1) unable to convert part identifier LII
460	10/01/2015	UNION PACIFIC RAILROAD	mismatched price LINE=00010 EDI_PRI

Select

Send EDI 855 PO Acknowledgement 48 orders

Order	Date	Bill-To	Comment
W1*185355	10/01/2015	BNSF	can supply?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185360	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185361	10/01/2015	UNION PACIFIC RAILROAD	can supply?

Select

Send EDI 856 Advance Shipping Notice 8 orders

Order	Date	Bill-To	Comment
W1*185354	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185355	10/01/2015	BNSF	shipped?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185357	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	shipped?

Select

EDI Sales and Shipping Dashboard

The Quarterback – EDI Sales and Shipping Dashboard

The Sales and Shipping Dashboard is used to deal with EDI documents that are received from a customer (EDI 850 Purchase Orders) and EDI documents that may be required to be sent back to the customer (EDI 855 Purchase Order Acknowledgements and EDI 856 Advanced Shipping Notice). This dashboard is composed of 3 panels:

- [Fix EDI 850 PO Errors](#) – Ship-to, Part Number and Pricing Issues.
- [Send EDI 855 PO Acknowledgement](#) – Needs manual confirmation to accept, reject, or accept with changes.
- [Send EDI 856 Advanced Shipping Notice](#) – Needs shipped confirmation or data.

The screenshot shows a web application window titled "EDI Sales and Shipping Dashboard". It contains three distinct panels, each with a table of data and a "Select" button below it.

Panel 1: Fix EDI 850 PO Errors (2 documents)

ID	Date	Bill-To	Comment
456	10/01/2015	UNION PACIFIC RAILROAD	(1) unable to convert part identifier LIF
460	10/01/2015	UNION PACIFIC RAILROAD	mismatched price LINE=00010 EDI_PRI

Panel 2: Send EDI 855 PO Acknowledgement (48 orders)

Order	Date	Bill-To	Comment
W1*185355	10/01/2015	BNSF	can supply?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185360	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185361	10/01/2015	UNION PACIFIC RAILROAD	can supply?

Panel 3: Send EDI 856 Advance Shipping Notice (8 orders)

Order	Date	Bill-To	Comment
W1*185354	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185355	10/01/2015	BNSF	shipped?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185357	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	shipped?

Monitoring and Fixing EDI 850 Purchase Order Errors

Addressing EDI errors is a daily task. The following encompasses the steps for personnel who review inbound EDI 850 Purchase Orders (PO). The panel on the “EDI Sales and Shipping Dashboard” screen, titled “Fix EDI 850 PO Errors”, will display a list of the PO’s which have one or more of the following types of error’s that need resolution before the order is created:

1. Unrecognized Ship-To: The Ship-To address is incomplete or does not match any customer record or may need to be changed for business reasons.
2. Part Number Mismatch: The part number in the EDI document is either missing or cannot be matched to any part number in the system.
3. Pricing Mismatch: Price totals for part(s) is either higher or lower than the price defined for your customer (trading partner).

The following steps describe how to select an EDI document and resolve errors and/or exceptions.

Step 1. Display the “Edit EDI 850 Purchase Order” screen for an EDI Purchase Order.

On the “EDI Sales and Shipping Dashboard” screen, there is a panel titled “Fix EDI 850 PO Errors”. Select a row and then click the SELECT button or double click on the row. The “Edit EDI 850 Purchase Order” screen will display. If there are no Purchase Orders displayed on the “Fix EDI 850 PO Errors” panel, there are no EDI 850 errors to correct.

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Fix EDI 850 PO Errors		2 documents	
ID	Date	Bill-To	Comment
456	10/01/2015	UNION PACIFIC RAILROAD	(1) unable to convert part identifier LIT
460	10/01/2015	UNION PACIFIC RAILROAD	mismatched price LINE=00010 EDI_PRI

Step 2. Confirm the Ship-To address.

Confirm that the Ship-To address is correct. If correct, go to [Step 3](#).

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
001			1	EA		387.10	\$387.10

At times the EDI document may contain an address where the order is to be shipped and address not recognized in the AutoPower system. This could be a drop-ship address or one that the system could not match

For business reasons you may want to assign this to a known Ship-To in the system without changing the EDI address.

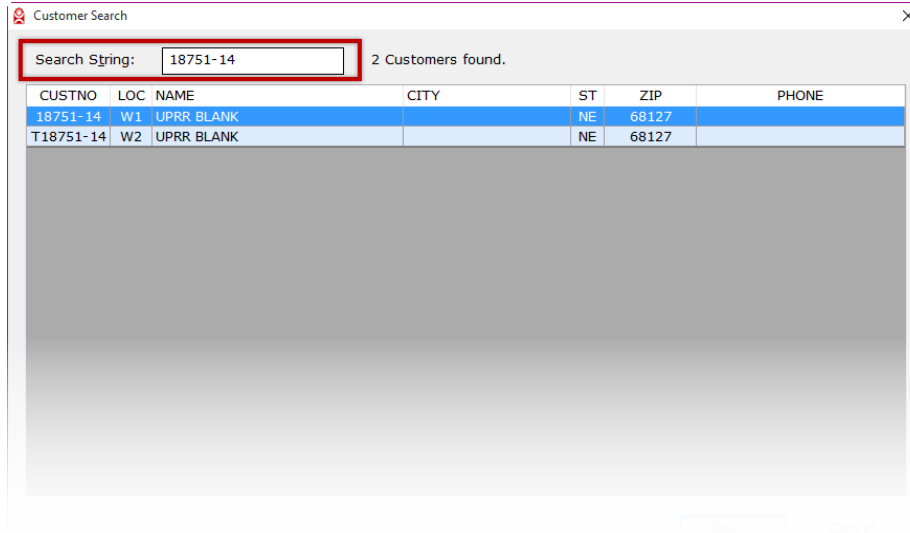
If the Ship-To information is incorrect, click the "Search" button to display the "Customer Search" screen. The "Customer Search" screen is used to search customer records using one of the following parameters:

- Customer Number
- City
- Phone Number

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To perform a customer search, input one of the above parameters and press ENTER. Possible customer matches will display in the grid providing the customer number, default warehouse location, customer name, city, state, zip code and phone number.

Alternately, you can input one of the above parameters into the Ship-To area of the “Edit EDI 850 Purchase Order” screen and press ENTER. The “Customer Search” screen will display along with the possible customer matches.



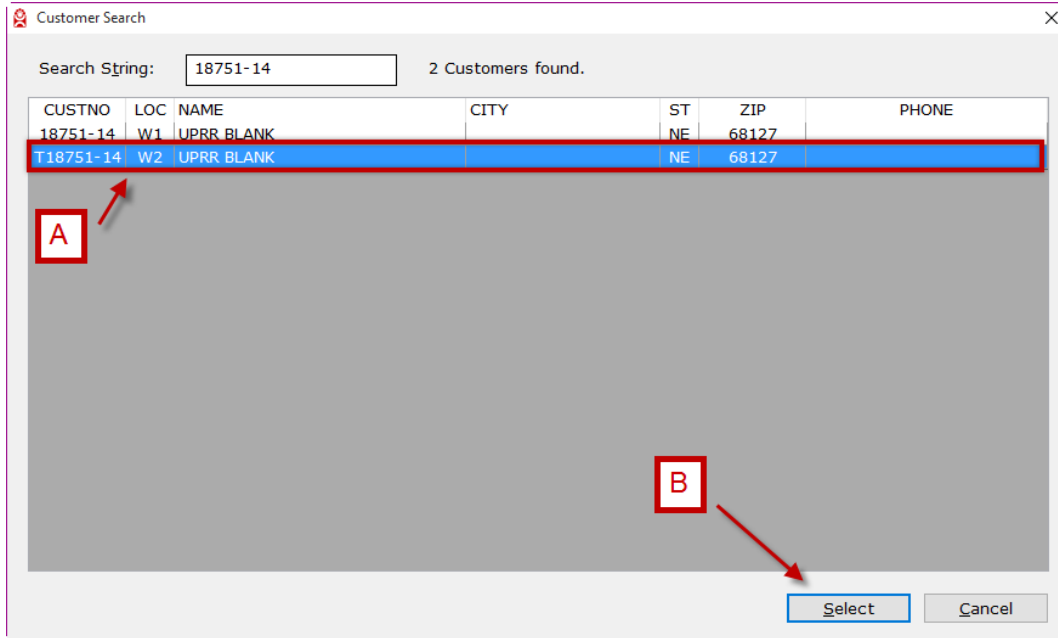
Customer Search

Search String: 18751-14 2 Customers found.

CUSTNO	LOC	NAME	CITY	ST	ZIP	PHONE
18751-14	W1	UPRR BLANK		NE	68127	
T18751-14	W2	UPRR BLANK		NE	68127	

To select a Ship-To match, click on a row in the grid (A) and then click “Select” (B). Alternately, double click on a row to select the Ship-To.

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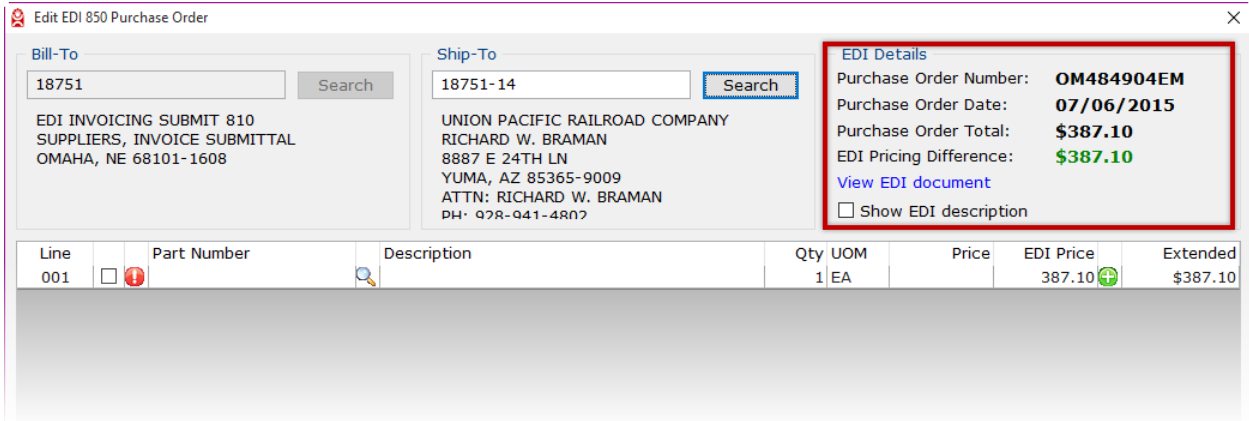


The selected Ship-To information will be loaded into the Ship-To area of the "Edit EDI 850 Purchase Order" screen.

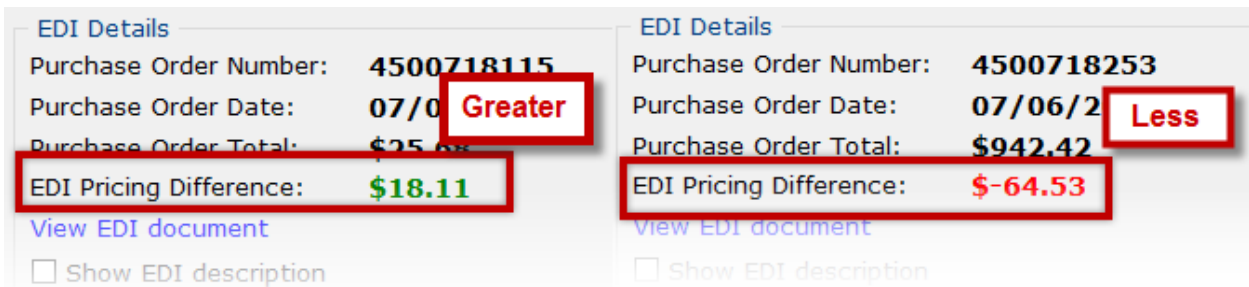
To exit the "Customer Search" screen with no selected customer, click the "Cancel" button at the bottom of the screen or the X in the upper right of the screen.

Step 3. Review the EDI Details area

Review the EDI Details area that displays the Purchase Order Number, Date, Purchase Order Totals, and EDI Pricing Differences.



The EDI Details area displays pricing differences between the customers established pricing and the EDI document pricing. If the difference is greater than the customer's pricing, the total will display as a positive number in green. If it's less than the customer's pricing, the total will display as a negative number in red. How to address pricing differences is covered in Step 5.

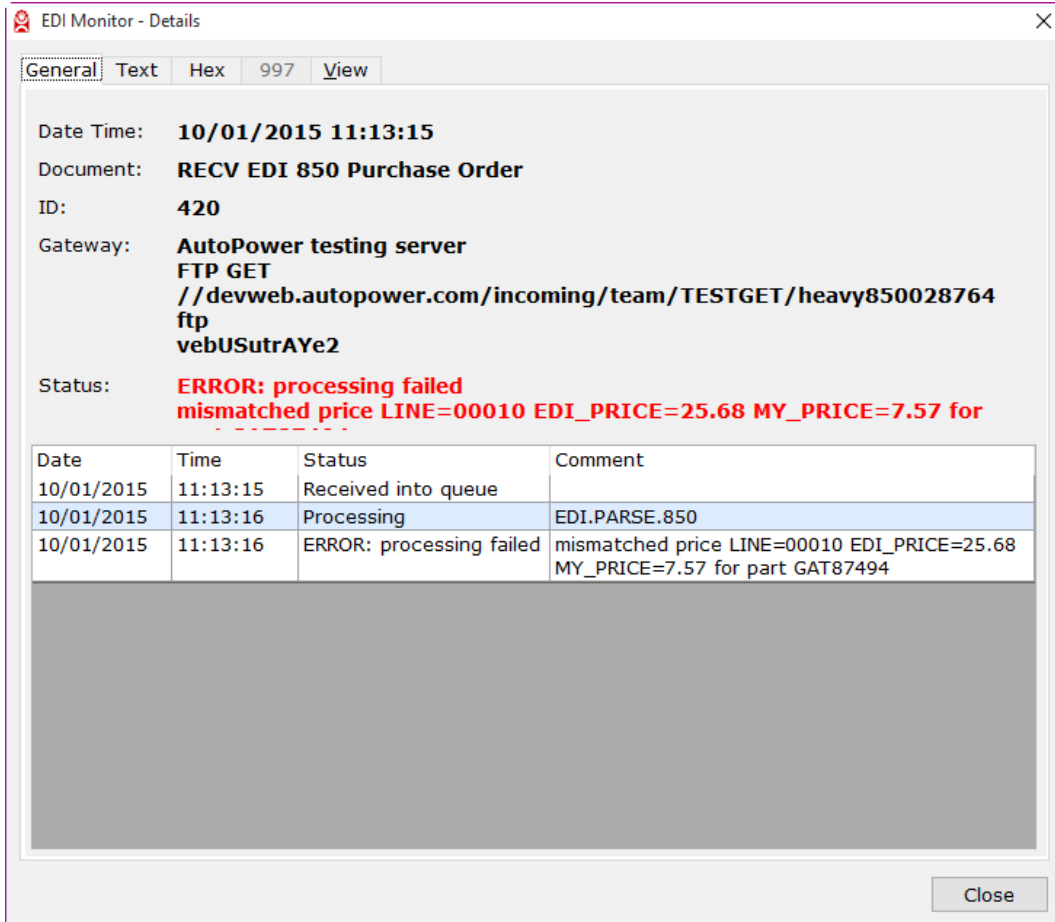


Some optional error resolution features are also available in the EDI Details area.

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View EDI Document

The EDI Monitor - Details screen will display a "Status", where details of the error are provided. The error is also visible in the comments area of the status log. This provides you information about what needs to be resolved before the order can be created in the system. Click the "Close" button to exit the EDI Monitor - Details screen or the X in the upper right of the screen.



The screenshot shows a window titled "EDI Monitor - Details" with a close button (X) in the top right corner. Below the title bar are tabs for "General", "Text", "Hex", "997", and "View". The "General" tab is active, displaying the following information:

Date Time: **10/01/2015 11:13:15**
Document: **RECV EDI 850 Purchase Order**
ID: **420**
Gateway: **AutoPower testing server**
FTP GET
//devweb.autopower.com/incoming/team/TESTGET/heavy850028764
ftp
vebUSutrAYe2

Status: **ERROR: processing failed**
mismatched price LINE=00010 EDI_PRICE=25.68 MY_PRICE=7.57 for

Date	Time	Status	Comment
10/01/2015	11:13:15	Received into queue	
10/01/2015	11:13:16	Processing	EDI.PARSE.850
10/01/2015	11:13:16	ERROR: processing failed	mismatched price LINE=00010 EDI_PRICE=25.68 MY_PRICE=7.57 for part GAT87494

A "Close" button is located at the bottom right of the window.

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Show EDI Description

Placing a check mark in the check box next to "Show EDI description" displays in the grid the detailed part description provided in the EDI document in the grid for all line items. The EDI part descriptions detail may provide useful information to resolve missing or invalid part numbers on the EDI Purchase Order.

Bill-To
18751 Search
EDI INVOICING SUBMIT 810
SUPPLIERS, INVOICE SUBMITTAL
OMAHA, NE 68101-1608

Ship-To
18751-14 Search
UNION PACIFIC RAILROAD COMPANY
RICHARD W. BRAMAN
8887 E 24TH LN
YUMA, AZ 85365-9009
ATTN: RICHARD W. BRAMAN
PH: 928-941-4807

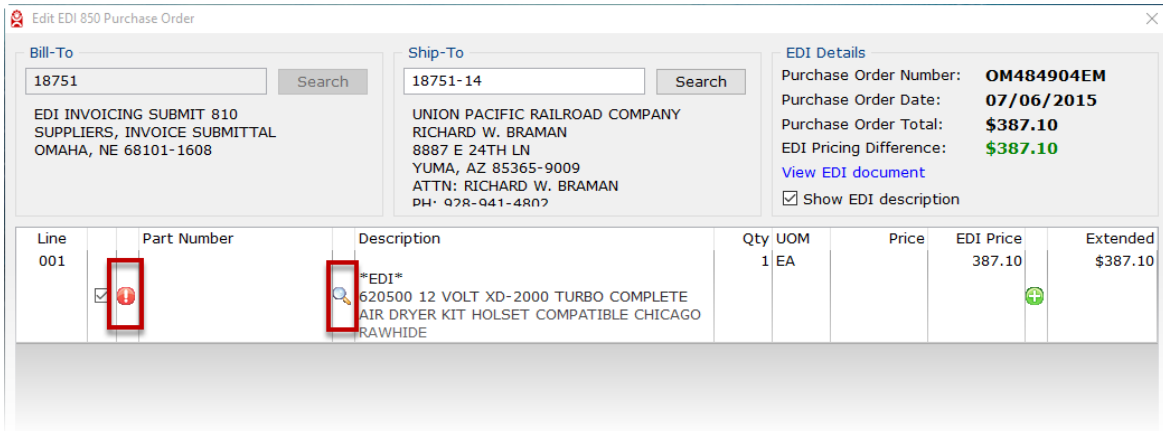
EDI Details
Purchase Order Number: **OM484904EM**
Purchase Order Date: **07/06/2015**
Purchase Order Total: **\$387.10**
EDI Pricing Difference: **\$387.10**
[View EDI document](#)
 Show EDI description

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
001		*EDI* 620500 12 VOLT XD-2000 TURBO COMPLETE AIR DRYER KIT HOLSET COMPATIBLE CHICAGO RAWHIDE	1	EA		387.10	\$387.10

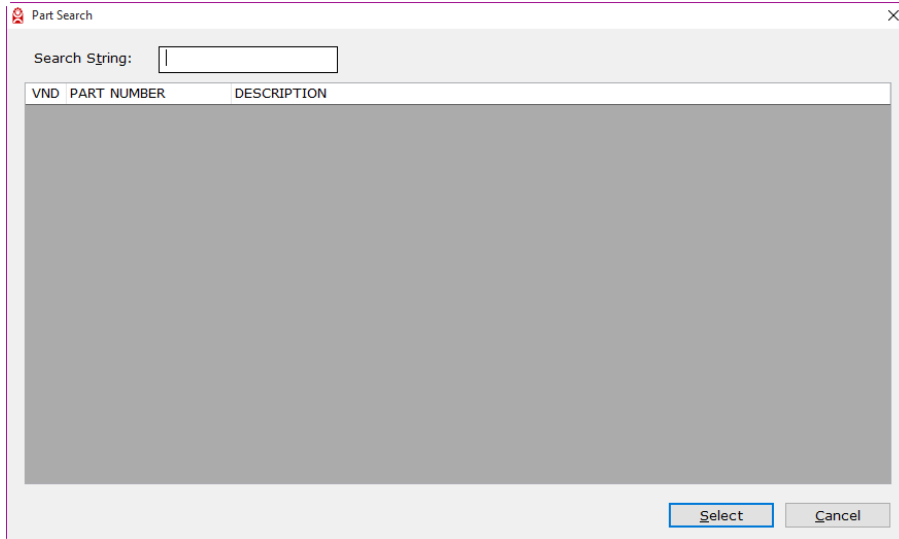
Step 4. Correcting or changing part numbers.

In the grid displayed on the “Edit EDI 850 Purchase Order” screen, a red round exclamation mark icon may display in the column to the left of the part number. If present, this icon indicates an unrecognized, invalid or missing part number.

To resolve part number issues you can input a correct part number or use the magnifying glass icon to the right of the part number to display the “Part Search” screen.



Often the EDI part description details will be an indicator of what part search may help resolve part number issues. Individual line item part descriptions detail can be shown clicking the checkbox next to the line number for any line item.

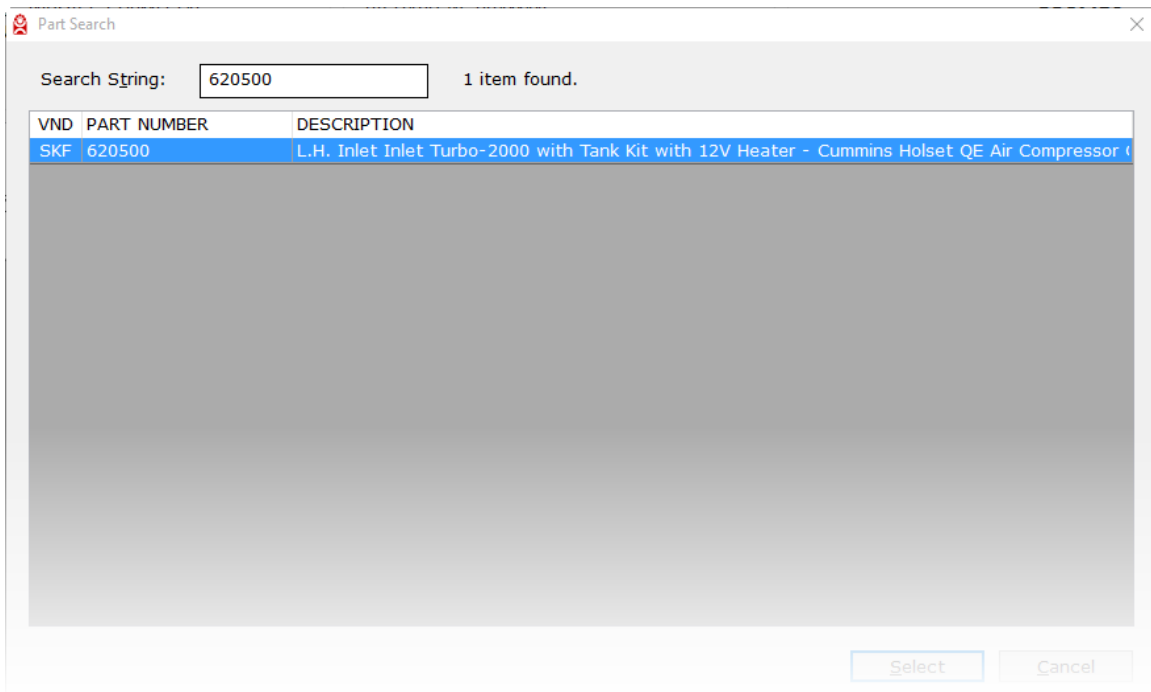


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The “Part Search” screen is used to search for a part number using one of the following input parameters:

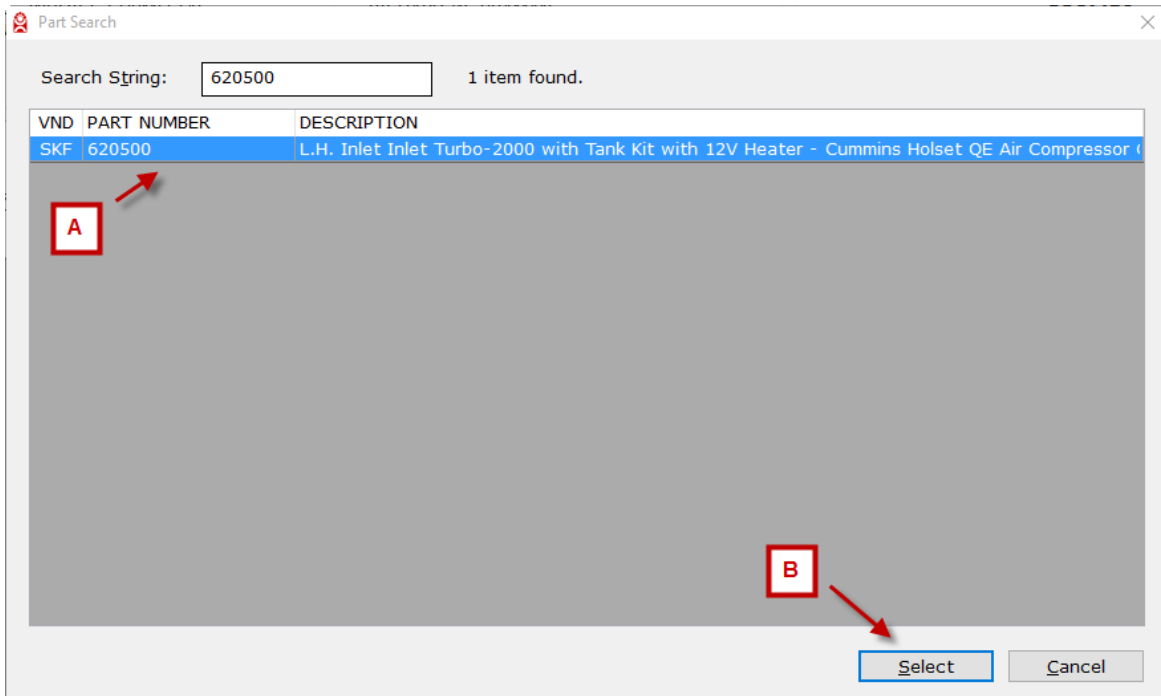
- Part Number
- Vendor Code
- Part Description

To search, input one of the above parameters and press ENTER.



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Once you have identified the correct part number, click on a row in the grid (A) and then click "Select" (B). Alternatively, double click on a row to select the part number.



The "Part Search" screen will close and the selected part number will display on the "Edit EDI 850 Purchase Order" screen. To exit the "Part Search" screen with no part number selected, click the "Cancel" button at the bottom of the screen or the X in the upper right of the screen.

Step 5. Change EDI Price.

If a price difference exists between the EDI PO and the customer part price, the difference is indicated by icons displayed in the column to the right of the EDI Price.

The screenshot shows the 'Edit EDI 850 Purchase Order' window. The 'Bill-To' field contains '18751' and the 'Ship-To' field contains '18751-14'. The 'EDI Details' section shows a Purchase Order Number of 'OM484904EM', a Purchase Order Date of '07/06/2015', a Purchase Order Total of '\$387.10', and an EDI Pricing Difference of '\$387.10'. The table below has columns for Line, Part Number, Description, Qty, UOM, Price, EDI Price, and Extended. The first row (Line 001) has a green '+' icon in the EDI Price column, indicating the EDI price is greater than the customer price.

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
001			1	EA		387.10	\$387.10

The screenshot shows the 'Edit EDI 850 Purchase Order' window. The 'Bill-To' field contains '18751' and the 'Ship-To' field contains '18751-14'. The 'EDI Details' section shows a Purchase Order Number of '4500718253', a Purchase Order Date of '07/06/2015', a Purchase Order Total of '\$942.42', and an EDI Pricing Difference of '\$-64.53'. The table below has columns for Line, Part Number, Description, Qty, UOM, Price, EDI Price, and Extended. The first row (Line 00010) has a red '-' icon in the EDI Price column, indicating the EDI price is less than the customer price.

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
00010	SKF620506	L.H. Inlet Inlet Turbo-2000 Dryer only with 24V Heater - Cummins Holset QE Air Compressor Compatible	3	EA	335.65	314.1	\$942.42

A green Icon with a "+" sign indicates the EDI line item price is greater than the customer's price for that item.

A red icon with a "-" sign indicates the EDI line item price is less than the customer's price for that item.

The sum of the price difference is for all line items shown in the EDI Details area.

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You can change the EDI price. This price change is discretionary. If the EDI price is acceptable, then no change is needed.

If the price difference is unacceptable, double click into EDI Price field to enter the correct price.

Step 6. Create Order.

When all errors have been resolved for the EDI Purchase Order, the order is ready to be created. To create the purchase order, click the "Create Order" button at the bottom of the screen. This will close the "Edit EDI 850 Purchase Order" screen and return you back to the "EDI Sales and Shipping Dashboard" screen. The created EDI PO will be removed from the "Fix EDI 850 PO errors" panel.

The screenshot shows the 'Edit EDI 850 Purchase Order' window. It contains the following information:

- Bill-To:** 18751, EDI INVOICING SUBMIT 810 SUPPLIERS, INVOICE SUBMITTAL, OMAHA, NE 68179
- Ship-To:** 18751-14, Union Pacific Railroad, DAVID DEMSICH, 201 S 5TH ST, KANSAS CITY, KS 66101-3827, PH: 660-654-4585
- EDI Details:** Purchase Order Number: 4500718253, Purchase Order Date: 07/06/2015, Purchase Order Total: \$942.42, EDI Pricing Difference: \$-64.53
- Table:**

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
00010	SKF620506	L.H. Inlet Inlet Turbo-2000 Dryer only with 24V Heater - Cummins Holset QE Air Compressor Compatible	3	EA	335.65	314.14	\$942.42

A red arrow points to the 'Create Order' button at the bottom right of the window.

Step 7. Saving Changes without Creating Order.

To save changes without creating the order, click the “Save” button at the bottom of the screen. This will close the “Edit EDI 850 Purchase Order” screen and return you back to the “EDI Sales and Shipping Dashboard” screen. When the same EDI PO is opened again, the previously saved changes are displayed.

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
00010	SKF620506	L.H. Inlet Inlet Turbo-2000 Dryer only with 24V Heater - Cummins Holset QE Air Compressor Compatible	3	EA	335.65	314.14	\$942.42

Step 8. Cancel changes.

To cancel any changes made and not saved, click the “Cancel” button at the bottom of the screen or click the X in the upper right of the screen. This will close the “Edit EDI 850 Purchase Order” screen and return you back to the “EDI Sales and Shipping Dashboard” screen.

Bill-To: 18751
EDI INVOICING SUBMIT 810
SUPPLIERS, INVOICE SUBMITTAL
OMAHA, NE 68179

Ship-To: 18751-14
Union Pacific Railroad
DAVID DEMSICH
201 S 5TH ST
KANSAS CITY, KS 66101-3827
PH: 660-654-4585

EDI Details
Purchase Order Number: 4500718253
Purchase Order Date: 07/06/2015
Purchase Order Total: \$942.42
EDI Pricing Difference: \$-64.53
[View EDI document](#)
 Show EDI description

Line	Part Number	Description	Qty	UOM	Price	EDI Price	Extended
00010	SKF620506	L.H. Inlet Inlet Turbo-2000 Dryer only with 24V Heater - Cummins Holset QE Air Compressor Compatible	3	EA	335.65	314.14	\$942.42

Create Order Save **Cancel**

Send a EDI 855 Purchase Order Acknowledgement

An EDI purchase order may be received containing made-to-order kits or parts that are not currently in inventory.

Orders in the EDI "Send EDI 855 PO Acknowledgement" panel, indicate the customer has requested a Purchase Order Acknowledgement be provided to communicate whether the purchase order was:

- Accepted
- Accepted with changes
- Rejected

Orders in this panel require a human review to decide what to correctly communicate in the EDI 855. The following encompasses the steps for personnel who determine whether to accept, accept with changes or reject EDI 850 received purchase orders.

Step 1. Display the “Send EDI 855 PO Acknowledgement” screen for an EDI purchase Order.

On the “EDI Sales and Shipping Dashboard” screen, there is a panel titled “Send EDI 855 PO Acknowledgement”.

The screenshot shows the 'EDI Sales and Shipping Dashboard' with three main panels. The middle panel, 'Send EDI 855 PO Acknowledgement', is highlighted with a red border. It contains a table with 48 orders, showing columns for Order, Date, Bill-To, and Comment. The first few rows are visible, all with a comment of 'can supply?'. Below the table is a 'Select' button.

Order	Date	Bill-To	Comment
W1*185355	10/01/2015	BNSF	can supply?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185360	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185361	10/01/2015	UNION PACIFIC RAILROAD	can supply?

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Send EDI 855 PO Acknowledgement				48 orders
Order	Date	Bill-To	Comment	
W1*185355	10/01/2015	BNSF	can supply?	▲
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	can supply?	
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	can supply?	
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	can supply?	
W1*185360	10/01/2015	UNION PACIFIC RAILROAD	can supply?	
W1*185361	10/01/2015	UNION PACIFIC RAILROAD	can supply?	▼
W1*185362	10/01/2015	UNION PACIFIC RAILROAD	can supply?	

Select

Select a purchase order row in the panel and then click the SELECT button or double click on a row. The “Send EDI 855 PO Acknowledgement” screen will display.

Step 2. Review the Purchase Order – Accept

The “Send EDI 855 PO Acknowledgement” screen will show a representation or “human readable” format of the selected purchase order.

To “ACCEPT” the purchase order as submitted, click the “Send EDI 855 POA” button. This action will send the EDI 855 acknowledgement. The screen will close and return you back to the “EDI Sales and Shipping Dashboard” screen.

Send EDI 855 PO Acknowledgement

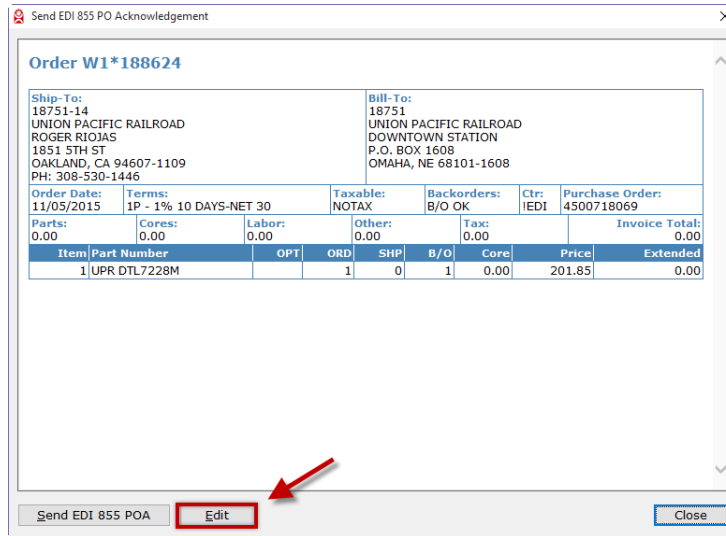
Order W1*188624

Ship-To: 18751-14 UNION PACIFIC RAILROAD ROGER RIOJAS 1851 5TH ST OAKLAND, CA 94607-1109 PH: 308-530-1446		Bill-To: 18751 UNION PACIFIC RAILROAD DOWNTOWN STATION P.O. BOX 1608 OMAHA, NE 68101-1608						
Order Date: 11/05/2015	Terms: 1P - 1% 10 DAYS-NET 30	Taxable: NOTAX	Backorders: B/O OK	Ctr: !EDI	Purchase Order: 4500718069			
Parts: 0.00	Cores: 0.00	Labor: 0.00	Other: 0.00	Tax: 0.00	Invoice Total: 0.00			
Item	Part Number	OPT	ORD	SH	B/O	Core	Price	Extended
1	UPR DTL7228M		1	0	1	0.00	201.85	0.00

Send EDI 855 POA Edit Close

Step 3. Editing a Purchase Order – Accepted with Changes

If after reviewing the order it is determined that the order can be only be accepted with changes, click the “Edit” button. The “Send EDI 855 PO Acknowledgement” screen will close and the Order Entry screen will display. The selected purchase order (sales order) will automatically be displayed in the Order Entry screen.



11/05/15	308-530-1446	Order No: W1*188624	PICK TICKET						
Ship To: UNION PACIFIC RAILROAD ROGER RIOJAS 18751-14 1851 5TH ST OAKLAND, CA 94607-1109		Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608							
Terms: 1P-1% 10 DAYS-	NOTAX	B/O OK	Ctr: !EDI						
		PO: 4500718069							
ITM	Part Number	OPT	AVL	ORD	SHIP	B/O	Core	Price	Extension
1	UPR DTL7228M			1	0	1	0.00	201.85	0.00
(A)dd, (C)omment, (D)ept, (N)ote, (T)otal, (E)xit, ? Order Comments are present.									

Using the standard Order Entry functions, changes to the purchase order (sales order) can be made.

Step 4. Send Acknowledgment After Changes Have Been Made.

After you have made changes to the purchase order (sales order), type T to access the "Totals" screen.

11/05/15		660-654-9315		Order No: W1*188665				PICK TICKET	
Ship To: UNION PACIFIC RAILROAD BRANDON L. RAINS 18751-14 3024 S GLEN AVE GLENWOOD SPRINGS, CO 81601-4				Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608					
Terms: 1P-1% 10 DAYS-		NOTAX		B/O OK		Ctr:EDI		PO: 4500718235	
ITM	Part Number	OPT	AVL	ORD	SHP	B/O	Core	Price	Extension
1	JWS 1705341			20	0	20	0.00	179.82	0.00
2	HDS LA10.5N1			5	0	5	0.00	520.56	0.00
(A)dd, (C)omment, (D)ept, (N)ote, (T)otals, (E)xit, ? T Order Comments are present.									

Press ENTER to proceed to the "Options" Screen. You will see a list of order options to select from. Type K to select the "Ack'ment" option. At the bottom of the screen Enter the "I" indicated in function ED (I). Press ENTER to send the EDI 855 Purchase Order Acknowledgement.

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11/05/15		660-654-9315		Order No: W1*188665		PICK TICKET	
Ship To: UNION PACIFIC RAILROAD BRANDON L. RAINS 18751-14 3024 S GLEN AVE GLENWOOD SPRINGS, CO 81601-4				Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608			
Terms: 1P-1% 10 DAYS-		NOTAX	B/O OK	Ctr: !EDI		PO: 4500718235	
1. Salesman.: 4 - ROBERT HORNER				Option: K			
2. Ship Via.:				Y = Invoice		K = Ack'ment	
3. Spcl Inst:				P = Pick Ticket		V = View Notes	
4. Check Nbr:				A = Add Parts		TN= PkgTrack#	
Drv. Licn: \$0.00				H = Hold			
Phone Nbr:				T = Totals			
5. Release #:				Q = Quotation			
Attn:				X = Cancel Order			
Truck No.:				B = Backorder			
				I = Issue PO			
F5=Payment F6=ShipTo F7=BillTo F8=Terms F9=PO# F10=Attn F11=Trk# ED(I), (P)rint Acknowledgement, or (C)ancel?: I							

A confirmation message that the acknowledgment was sent will appear and then you will be returned to the "Option" screen.

Ship To: UNION PACIFIC RAILROAD BRANDON L. RAINS 18751-14 3024 S GLEN AVE GLENWOOD SPRINGS, CO 81601-4		Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608	
Terms: 1P-1% 10 DAYS-		NOTAX	B/O OK
Ctr: !EDI		PO: 4500718235	
1. Salesman.: 4 - ROBERT HORNER		Option: K	
2. Ship Via.:		Y = Invoice	K = Ack'ment
3. Spcl Inst:		P = Pick Ticket	V = View Notes
4. Check Nbr:		A = Add Parts	TN= PkgTrack#
Drv. Licn: \$0.00		H = Hold	
Phone Nbr:		T = Totals	
5. Release #:		Q = Quotation	
Attn:		X = Cancel Order	
Truck No.:		B = Backorder	
		I = Issue PO	
F5=Payment F6=ShipTo F7=BillTo F8=Terms F9=PO# F10=Attn F11=Trk# Order Acknowledgement EDI was sent... I			

After the EDI 855 Purchase Order Acknowledgement has been sent, you can choose to implement any of the other options listed on the Options Screen.

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Type H to select "Hold" to put the order on hold and return to the Order Entry screen. Once there, type EDI to display the "EDI Sales and Shipping Dashboard" screen.

Step 5. Editing a Purchase Order – PO Rejected

If after reviewing the order it is determined that the order cannot be supplied and must be rejected and canceled in the system, click the "Edit" button.

Using the Order Entry commands, type T to access the "Totals" screen.

11/05/15		660-654-9315		Order No: W1*188665			PICK TICKET		
Ship To: UNION PACIFIC RAILROAD BRANDON L. RAINS 18751-14 3024 S GLEN AVE GLENWOOD SPRINGS, CO 81601-4					Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608				
Terms: 1P-1% 10 DAYS-		NOTAX	B/O OK		Ctr:!EDI		PO: 4500718235		
ITM	Part Number	OPT	AVL	ORD	SHP	B/O	Core	Price	Extension
1	JWS 1705341			20	0	20	0.00	179.82	0.00
2	HDS LA10.5N1			5	0	5	0.00	520.56	0.00
(A)dd, (C)omment, (D)ept, (N)ote, (T)otals, (E)xit, ? T Order Comments are present.									

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Press ENTER to proceed to the "Options" Screen. You will see a list of options to select from. Type X to select the "Cancel Order" option. Type Y for YES to confirm and cancel the order. This action will cancel the purchase order (sales order) and send an EDI 855 Purchase Order Acknowledgement that indicates the order has been rejected.

Ship To: UNION PACIFIC RAILROAD COMPA ROSEVILLE DIESEL WAREHOUSE 18751-14 711 CHURCH ST ROSEVILLE, CA 95678		Bill To: UNION PACIFIC RAILROAD DOWNTOWN STATION 18751 P.O. BOX 1608 OMAHA, NE 68101-1608		
Terms: 1P-1% 10 DAYS-	NOTAX	B/O OK	Ctr:!EDI	PO: RV483876MG
1. Salesman.: 4 - ROBERT HORNER 2. Ship Via.: 3. Spcl Inst:		Option: <input checked="" type="checkbox"/>		
4. Check Nbr: Drv. Licn: \$0.00 Phone Nbr: 5. Release #:		Y = Invoice P = Pick Ticket A = Add Parts H = Hold T = Totals Q = Quotation X = Cancel Order B = Backorder I = Issue PO		
Attn:		Truck No.		
F5=Payment F6=ShipTo F7=BillTo F8=Terms F9=P0# F10=Attn F11=Trk#				

Step 6. Closing the “Send EDI 855 PO Acknowledgement” screen.

If you review the purchase order and decide to process the acknowledgement at another time, select the “Close” button. The screen will close and return you back to the “EDI Sales and Shipping Dashboard” screen.

Order W1*188624

Ship-To: 18751-14 UNION PACIFIC RAILROAD ROGER RIOJAS 1851 5TH ST OAKLAND, CA 94607-1109 PH: 308-530-1446			Bill-To: 18751 UNION PACIFIC RAILROAD DOWNTOWN STATION P.O. BOX 1608 OMAHA, NE 68101-1608					
Order Date: 11/05/2015	Terms: 1P - 1% 10 DAYS-NET 30	Taxable: NOTAX	Backorders: B/O OK	Ctr: !EDI	Purchase Order: 4500718069			
Parts: 0.00	Cores: 0.00	Labor: 0.00	Other: 0.00	Tax: 0.00	Invoice Total: 0.00			
Item	Part Number	OPT	ORD	SHP	B/O	Core	Price	Extended
1	UPR DTL7228M		1	0	1	0.00	201.85	0.00

Buttons:

Sending EDI 856 Advance Ship Notices

Sending EDI 856 Advance Ship Notices to customers may be daily task. This task is typically handled by personnel who review and prepare orders for shipment.

The panel on the “EDI Sales and Shipping Dashboard” screen, titled “Send EDI 856 Advance Shipping Notice” will display a list of the PO’s which are waiting for shipment confirmation and/or data required in the EDI 856.

The following encompasses the steps of displaying the “Shipping and Tracking” screen, inputting and/or confirming the required information, and sending the EDI 856 Advance Ship Notice.

Step 1. Display the “Shipping and Tracking” screen for an order.

On the “EDI Sales and Shipping Dashboard” screen, there is a panel titled “Send EDI 856 Advance Shipping Notice”. Select a row and then click “SELECT” button or double click on the row.

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EDI Sales and Shipping Dashboard

Fix EDI 850 PO Errors 2 documents

ID	Date	Bill-To	Comment
456	10/01/2015	UNION PACIFIC RAILROAD	(1) unable to convert part identifier LIT
460	10/01/2015	UNION PACIFIC RAILROAD	mismatched price LINE=00010 EDI_PRI

Select

Send EDI 855 PO Acknowledgement 48 orders

Order	Date	Bill-To	Comment
W1*185355	10/01/2015	BNSF	can supply?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185360	10/01/2015	UNION PACIFIC RAILROAD	can supply?
W1*185361	10/01/2015	UNION PACIFIC RAILROAD	can supply?

Select

Send EDI 856 Advance Shipping Notice 8 orders

Order	Date	Bill-To	Comment
W1*185354	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185355	10/01/2015	BNSF	shipped?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185357	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	shipped?

Select

Send EDI 856 Advance Shipping Notice 8 orders

Order	Date	Bill-To	Comment
W1*185354	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185355	10/01/2015	BNSF	shipped?
W1*185356	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185357	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185358	10/01/2015	UNION PACIFIC RAILROAD	shipped?
W1*185359	10/01/2015	UNION PACIFIC RAILROAD	shipped?

Select

The "Shipping and Tracking" screen will display. If there are no Purchase Orders displayed on the "Send EDI 856 Advance Shipping Notice" panel, then there are no EDI 856 documents waiting to be sent.

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Shipping and Tracking

Branch: HDS

Order Number:

EDI 856 ASN: **not sent**

Ship-To

18751-14
UNION PACIFIC RAILROAD COMPANY
ROSEVILLE DIESEL WAREHOUSE
D L HUTCHISON, MANAGER SUPPLY OPERATIONS
711 CHURCH ST
ROSEVILLE, CA 95678
PH: 916 780 5500

Total Weight: Pounds

Ship Via: ABF

Tracking Numbers

<input type="text" value="236784618462389"/>	<input type="button" value="Remove"/>
--	---------------------------------------

Step 2. Enter The Weight of The Shipment.

You will notice on the “Shipping and Tracking” screen you have the ability to change the Branch and Order Number. Changing these fields is not recommended nor required for your current tasks. The fields have been populated based on the order number you selected in Step 1.

Required entries on the “Shipping and Tracking” screen are indicated by a red exclamation point icon.

The screenshot displays a software interface for shipping and tracking. At the top, there are two input fields: "Total Weight:" followed by a text box and the word "Pounds", and "Ship Via:" followed by a dropdown menu. Both fields have a red exclamation point icon to their left, indicating they are required. Below these is a section titled "Tracking Numbers" in blue text. This section contains a large text area with a red exclamation point icon on the left and a "Remove" button on the right. At the bottom of the interface, there are three buttons: "Send EDI 856 ASN", "OK", and "Cancel".

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The total weight of the shipment is required to send an Advance Ship Notice. Enter the weight into the "Total Weight" field. The units of measure are understood to be pounds for this field.

The screenshot displays a software interface for sending an EDI 856 ASN. At the top, the 'Total Weight' field is highlighted with a red border, showing the value '100' and the unit 'Pounds'. Below this, the 'Ship Via' dropdown menu is set to 'A', with 'ABF' visible to its right. A section titled 'Tracking Numbers' contains a list with one entry: '236784618162389', which is highlighted in blue. A 'Remove' button is positioned to the right of this entry. At the bottom of the window, there are three buttons: 'Send EDI 856 ASN', 'OK', and 'Cancel'. The 'OK' button is highlighted with a blue border.

Step 3. Select Method of Shipment.

The shipping method is a required to send an Advance Ship Notice.

The "Ship Via" drop-down menu allows you to select which shipping method is being used for the order. To select a shipping method, click the "Ship Via" drop-down menu. Select the shipping carrier and method. Alternatively, type a ship via code for the carrier and method into the "Ship Via" field.

Total Weight: Pounds

Ship Via: !

Tracking Number: !

- A ABF
- AF AMERICAN FRT
- ASAP ASAP
- B BROWN TRANSFER
- CCX CCX
- CT CENTRAL TRANSPORT
- CDA CUSTOMERS DIRECT AIR ACCOU
- D DELIVERY

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Carrier SCAC not on file

When selecting the Ship Via carrier and method, a corresponding SCAC is required. If the red exclamation point icon remains, hovering over the icon with your cursor will display a message, "Carrier SCAC not on file".

The screenshot shows a software interface with the following elements:

- Total Weight:** A text input field containing "100" followed by the label "Pounds".
- Ship Via:** A dropdown menu with "CCX" selected. A red exclamation point icon is positioned to the left of the dropdown.
- Tracking Num:** A text input field that is currently empty. A tooltip box is overlaid on this field, containing the text "Carrier SCAC not on file".
- Remove:** A button located to the right of the Tracking Num field.
- Buttons:** At the bottom of the window, there are three buttons: "Send EDI 856 ASN", "OK", and "Cancel".

This means that the Ship Via Code that is currently selected does not have a SCAC set up. A SCAC (Standard Carrier Alpha Code) is a unique two-to-four letter code used to identify freight carriers. It is required to transmit an EDI 856 Advance Ship Notice.

If you are attempting to use a Ship Via Code that does not have a SCAC code on file, you must perform a Ship Via Code file maintenance and enter a SCAC code for the carrier and method.

Step 4. Enter Tracking Number(s). Edit or Remove Tracking Numbers.

The tracking number or numbers are required to send an Advance Shipping Notice. Input a tracking number into the provided field in the "Tracking Numbers" panel. Press ENTER.

Tracking Number
1228378984

Remove

Send EDI 856 ASN OK Cancel

To enter a second tracking number, input the number into the second cell and press ENTER. Repeat this process for all tracking numbers related to the shipment.

To edit an entry, double click on the row and input any corrections.

To remove an entry, select the row, and click the "Remove" button on the right side of the screen.

Step 5. Send EDI 856 Advance Ship Notice.

The “Send EDI 856 ASN” button remains inactive until all required entries have been filled. To send an Advance Ship Notice, click the “Send EDI 856 ASN” button at the bottom of the screen.

Shipping and Tracking

Branch: W1 HDS

Order Number: 185359

EDI 856 ASN: **not sent**

Ship-To
18751-14
UNION PACIFIC RAILROAD
ROGER RIOJAS
1851 5TH ST
OAKLAND, CA 94607-1109
PH: 308-530-1446

Total Weight: 120 Pounds

Ship Via: A ABF

Tracking Numbers

1228378984	Remove
------------	--------

Send EDI 856 ASN OK Cancel

This action will close the “Shipping and Tracking” screen and return to the “EDI Sales and Shipping Dashboard” screen. The purchase order will disappear from the “Send EDI 856 Advance Shipping Notice” panel.

Step 6. Retain changes.

When changes have been made to the “Total Weight”, “Ship Via”, or “Tracking Numbers” fields, the “OK” button becomes active. To retain changes without sending an Advance Shipping Notice, click the “OK” button at the bottom of the screen.

Shipping and Tracking

Branch: W1 HDS

Order Number: 185359

EDI 856 ASN: **not sent**

Ship-To

18751-14
UNION PACIFIC RAILROAD
ROGER RIOJAS
1851 5TH ST
OAKLAND, CA 94607-1109
PH: 308-530-1446

Total Weight: 120 Pounds

Ship Via: A ABF

Tracking Numbers

1228378984 Remove

Send EDI 856 ASN OK Cancel

This will close the “Shipping and Tracking” screen and return to the “EDI Sales and Shipping Dashboard” screen.

Step 7. Cancel changes.

To cancel changes made without retaining, click the “Cancel” button at the bottom of the screen or click the X in the upper right of the screen.

Shipping and Tracking

Branch: W1 HDS

Order Number: 185359

EDI 856 ASN: **not sent**

Ship-To

18751-14
UNION PACIFIC RAILROAD
ROGER RIOJAS
1851 5TH ST
OAKLAND, CA 94607-1109
PH: 308-530-1446

Total Weight: 120 Pounds

Ship Via: A ABF

Tracking Numbers

1228378984	Remove
------------	--------

Send EDI 856 ASN OK Cancel

This will close the “Shipping and Tracking” screen and return to the “EDI Sales and Shipping Dashboard” screen. The order is now ready to be invoiced.

Monitoring

Essential Functions and Tasks



The *EDI Monitor* is the main focal point of the EDI system, showing the state of electronic documents being sent and received. Its purpose is to monitor each and every document being handled by the EDI Module. Essential Tasks are identified in this area related to reviewing documents in the monitor.

How do I review my EDI documents?

From the main menu select *Utilities > EDI Monitor*. The *EDI Monitor* will display each electronic document sent or received and its status.

Date	Time	S/R	Status	Document	ID	Gateway	Code	Name
01/28/2015	15:05	RECV	Received OK	EDI 856 Advance Shipping	442	InterTrade	CRS	CHICAGO RAWHIDE
01/28/2015	15:05	RECV	Received OK	EDI 810 Invoice	443	InterTrade	CRS	CHICAGO RAWHIDE
02/03/2015	15:15	SEND	Sent OK	EDI 850 Purchase Order	444	InterTrade	GAT	GATES RUBBER COMPANY
02/03/2015	16:15	SEND	Sent OK	EDI 850 Purchase Order	446	InterTrade	VEL	VELVAC INCORPORATED
02/04/2015	10:38	SEND	Sent OK	EDI 850 Purchase Order	447	InterTrade	GAT	GATES RUBBER COMPANY
02/04/2015	11:04	SEND	Sent OK	EDI 850 Purchase Order	448	InterTrade	RSC	RADIATOR SPECIALTY CO.
02/04/2015	15:04	SEND	Sent OK	EDI 850 Purchase Order	450	InterTrade	ARV	ARVINMERITOR
02/04/2015	15:54	SEND	Sent OK	EDI 850 Purchase Order	452	InterTrade	GRO	GROTE INDUSTRIES, INC.
02/04/2015	15:58	SEND	Sent OK	EDI 850 Purchase Order	454	InterTrade	1001	GROTE INDUSTRIES INC (CAN)
02/05/2015	09:12	SEND	Sent OK	EDI 850 Purchase Order	457	InterTrade	GRO	GROTE INDUSTRIES, INC.
02/05/2015	09:22	SEND	Sent OK	EDI 850 Purchase Order	458	InterTrade	GRO	GROTE INDUSTRIES, INC.
02/05/2015	11:02	SEND	Sent OK	EDI 850 Purchase Order	459	InterTrade	TIM	TIMKEN
02/05/2015	12:14	SEND	Sent OK	EDI 850 Purchase Order	463	InterTrade	VEL	VELVAC INCORPORATED
02/05/2015	12:38	SEND	Sent OK	EDI 850 Purchase Order	464	InterTrade	GAT	GATES RUBBER COMPANY
02/09/2015	16:13	SEND	Sent OK	EDI 850 Purchase Order	469	InterTrade	1001	GROTE INDUSTRIES INC (CAN)
02/10/2015	10:12	SEND	Sent but not acknowledged	EDI 850 Purchase Order	471	InterTrade	ARV	ARVINMERITOR
02/10/2015	11:04	SEND	Sent OK	EDI 850 Purchase Order	472	InterTrade	ARV	ARVINMERITOR
02/16/2015	10:59	SEND	Sent OK	EDI 850 Purchase Order	474	InterTrade	ARV	ARVINMERITOR
02/20/2015	00:24	RECV	Received OK	EDI 856 Advance Shipping	476	InterTrade	CRS	CHICAGO RAWHIDE
02/20/2015	00:24	RECV	Received OK	EDI 810 Invoice	477	InterTrade	CRS	CHICAGO RAWHIDE
02/20/2015	15:47	SEND	Sent OK	EDI 850 Purchase Order	478	InterTrade	VEL	VELVAC INCORPORATED
02/21/2015	16:13	SEND	Sent OK	EDI 850 Purchase Order	479	InterTrade	1001	GROTE INDUSTRIES INC (CAN)
02/24/2015	11:19	SEND	Sent OK	EDI 850 Purchase Order	482	InterTrade	GRO	GROTE INDUSTRIES, INC.
02/24/2015	17:59	SEND	Sent OK	EDI 850 Purchase Order	484	InterTrade	ARV	ARVINMERITOR
02/25/2015	23:50	SEND	Sent OK	EDI 850 Purchase Order	486	InterTrade	ARV	ARVINMERITOR
03/03/2015	08:28	SEND	Sent OK	EDI 850 Purchase Order	488	InterTrade	GRO	GROTE INDUSTRIES, INC.
03/03/2015	09:44	SEND	Sent OK	EDI 850 Purchase Order	489	InterTrade	ARV	ARVINMERITOR
03/03/2015	13:21	SEND	Sent OK	EDI 850 Purchase Order	492	InterTrade	1001	GROTE INDUSTRIES INC (CAN)
03/11/2015	11:46	SEND	Sent OK	EDI 850 Purchase Order	494	InterTrade	GRO	GROTE INDUSTRIES, INC.
03/11/2015	16:57	SEND	Sent OK	EDI 850 Purchase Order	496	InterTrade	ARV	ARVINMERITOR

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EDI Monitor Screen Description

1. The screen is a re-sizable windows form with the title EDI Monitor – MM/DD/YYYY HH:MM:SS .The date and time in the title bar is the time the screen was last Refreshed. (See Refresh Button detail)
2. The screen can be resized, minimized and maximized.
3. The screen has a grid with sortable columns labeled:
 - DATE & TIME: The Date and Time columns show the date and time the document was first queued (for sending) or received by the system.
 - S/R: The S/R column shows either SEND or RECV ("S/R" is short for SEND/RECV"). This column shows whether the document is being sent from you or received from your supplier
 - STATUS: The Status column shows the document's transmission state. It is important to understand that electronic documents can be in different states as it is processed into or out of the AutoPower System. The following provides an overview of the states and a general description of the state. Not all of these states will be shown in the monitor but it is important to understand they exist.

IMPORTANT: See Essential Tasks related to this column.

EDI States and Messages you will see:

1. SENDING – Outbound Documents
 - SEND:QUEUED – This indicates the document has been submitted for sending and is in the queue to be sent.
 - Message – “Queued for Sending”
 - SEND:SENDING – This indicates the document is in the process of an attempt to send.
 - Message - “Sending”
 - SEND:FAILED – This indicates that the sending process has failed for some reason.
 - Message - “ERROR: send attempt failed”
 - SENT:NAK – This indicates that a document has been sent but the system did not receive a 997 acknowledgement from the supplier.
 - Message – “Sent but not acknowledged”
 - SENT:OK – This indicates the document has been sent successfully and a 997 acknowledgement from the supplier was returned.

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- Message – “Sent OK”
- SENT:ERROR – This indicates the document was sent but an error was returned related to the document.
 - Message - “Sent and rejected”

2. RECEIVING – Inbound Documents

- RECV:QUEUED – This indicates an inbound document was received and is in the queue for processing.
 - Message – “Received into queue”
- RECV:PROCESSING – This indicates the inbound document is being processed into the system.
 - Message – “Processing”
- RECV:OK – This indicates the inbound document was successfully processed into the system.
 - Message – “Received: OK”
- RECV:ERROR – This indicates inbound document processing failed for some reason.
 - Message – “ERROR: processing failed”
- DOCUMENT: The Document column shows the system-defined document type.
- ID: The Id column shows the unique document identifier. This is an internal database record identifier.
- GATEWAY: The Gateway column shows the Gateway used for sending or receiving.
- CODE: The Code column shows the supplier’s (vendor) code in the AutoPower system.
- NAME: The Name column shows the supplier’s (vendor) name.

4. At the bottom of the screen are three buttons

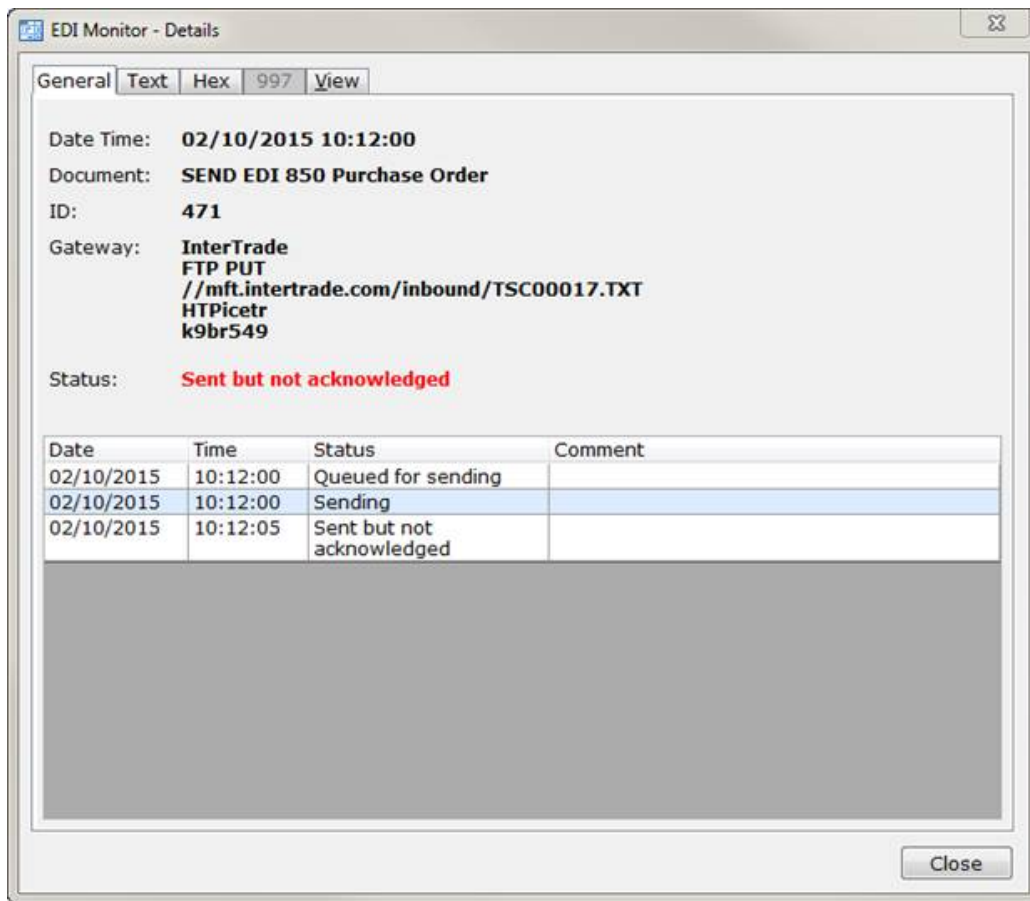
- Details Button: Clicking the Details button shows the EDI Monitor – Details screen.
- Refresh Button: Clicking the Refresh button forces the system to review the status of all documents and refresh the monitor screen with the most current information. This will update the screen title with the current: EDI Monitor – MM/DD/YYYY HH:MM: SS.
- Close Button: Clicking the Close button closes the EDI Monitor Screen

Essential Functions

Sorting – One of the key essential functions is your ability to sort the column information by clicking on the column headers. For example if you want to review all *EDI* Purchase Orders sent, click on the Document header and the documents will be sort by document type and you will see all of your Purchase Orders grouped together by date and time.

Highlighting a Document Row – By selecting any row and clicking the *Details Button*, you can view detail information about that document.

Details Screen - *Details* screen is a popup screen showing the specific details and history of a single electronic document transmission.



The EDI Monitor – Details screen has five tabs:

1. General – This tab displays the upper portion of the form and has several labels with corresponding data.
 - Date Time: this is the date and time as displayed on the EDI Monitor
 - Document: this is the electronic document type as displayed on the EDI Monitor
 - Id: this is the electronic document ID as displayed on the EDI Monitor
 - Gateway: this is the Gateway (name) used to transmit this document.
 - Username: this is the username used to transmit this document
 - Password: this is the password used to transmit this document
 - Status: this is the current status of the electronic document. Note if the status color indication is in red there is an issue with the document. Commonly, the following two indications will be in red.
 - **“Error:”** there is a current error for this electronic document.
 - **“Sent but not acknowledged”** indicates the expected 997 acknowledgement was not received by the system.

On the General Tab below the status label is a single grid with the columns *Date*, *Time*, *Status*, and *Comment*. The columns are sortable. This is a complete log of the different states of the selected EDI Document initially presented in chronological order based on the Date and Time Columns. Provided is the Status of the document at each date and time and any comments related to that status.

The Comments area may be very critical in resolving any document with an Error: Status.

Date	Time	Status	Comment
02/10/2015	10:12:00	Queued for sending	
02/10/2015	10:12:00	Sending	
02/10/2015	10:12:05	Sent but not acknowledged	

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- Text – The *Text* tab shows the contents of the electronic document transmission in an easy to read format. The tab is used to evaluate document issue related to the “*Error:*” Status.
- Hex – The *Hex* tab show the contents of an electronic document in hexadecimal format to show the user the exact binary characters sent/received. One of the most common issues causing errors with EDI documents are unrecognized characters in the document. This tab aids in the discovery of incorrect charters. The tab is used to evaluate document issue related to the “*Error:*” status where some characters are not correct or recognized.
- 997 – The *997* tab shows the contents of the 997 functional acknowledgement sent or received for this specific EDI document. 997s are always related to a specific document transaction and are not shown in the monitor as separate transactions.
- View – The view tab will display a representation of the EDI document. Keep in mind these EDI documents are not physical documents but, an assembly of data. The view tab presents the data in a form that can be viewed. If you wish to print this information right click on the viewed form and select the print option.

Essential Tasks

How do I know if there is a problem?

Sort the Monitor Screen by clicking on the *Status* column header.

The *Status* column indicates the electronic document's current state. The word "*Error*" in the status indicates there is a problem that needs to be addressed. Look for any "*Error*" status document.

Another status to watch for is "*Sent but not acknowledged*". While the electronic document has been sent successfully, the *supplier* has not processed its receipt. A phone call to the supplier may be needed to confirm receipt of the document, in this case your Purchase Order.

How do I know what "*Error*" has occurred?

Select the monitor row containing the "*Error*" status. This will highlight that row and then click on the *Detail* button to display the *Details Screen*. There are typically 3 main causes of *EDI* Document Transmission error that will require a business process task to resolve the error. If a cause can be identified it will be in the Comments area in the grid on the General Tab of the Details Screen. Below are the typical causes.

Sending and Receiving

ERRORS – Related to Internet Connection failure

ERRORS - Related to a bad or unrecognizable character in the EDI Document

- Sending Errors related to an internet connection can typically be resolved by re-sending the EDI Document.
- Sending Errors related to bad or unrecognizable character(s) in the EDI Document may require a support call to AutoPower.
- Receiving Errors related to an internet connection may require requesting the document be resent.

- Receiving Error related to bad or unrecognizable characters or data may require a support call to AutoPower and/or InterTrade.

What should I do with a “Sent but not acknowledged” status document?

The best business practice is to call the supplier involved with this status.

How can I see more information about an electronic document?

In the *EDI Monitor*, select a document row to highlight it, and then click the *Details* button. The *Details screen* shows more information about the electronic document.

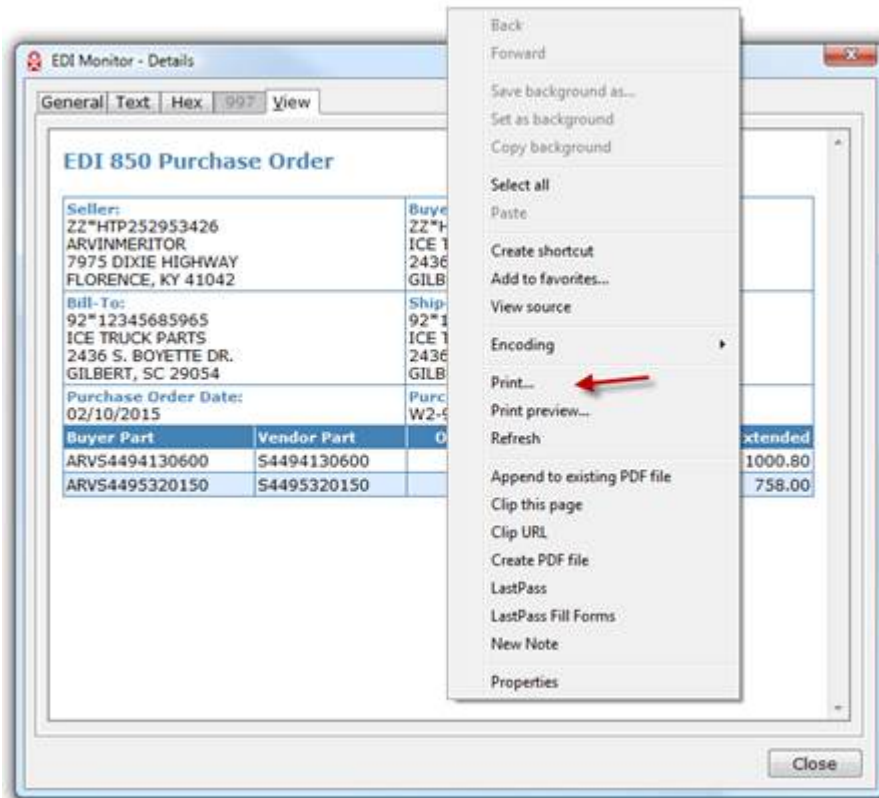
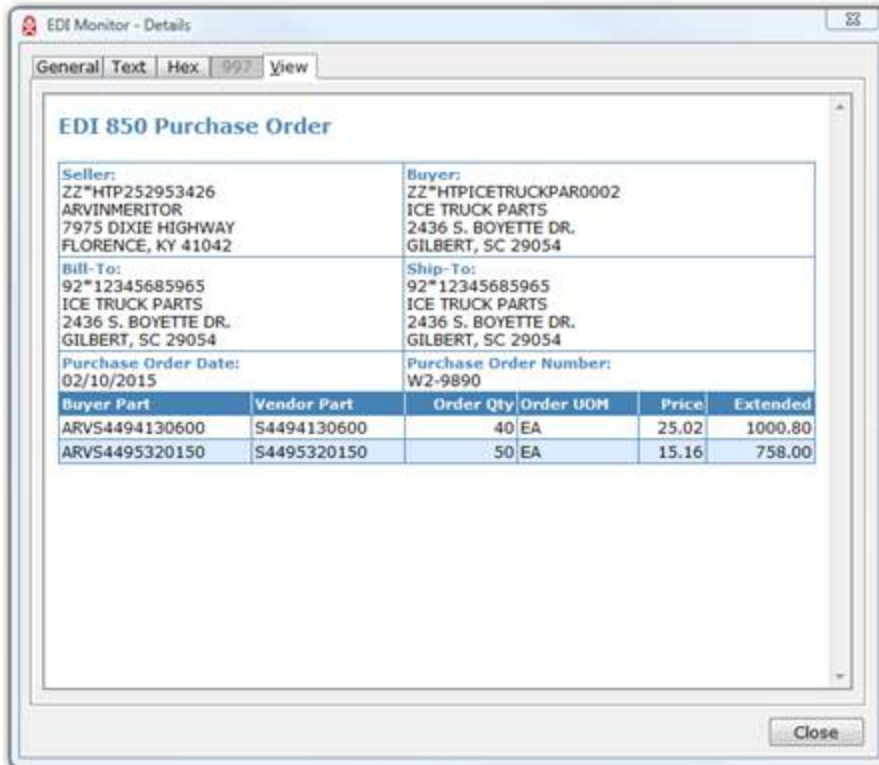
How can I print a representation of the EDI document?

In the *EDI Monitor*, select a document row to highlight it, and then click the *Details* button. The *Details screen* shows more information about the electronic document. Click on the View Tab and right click the view for your print options.

Keep in mind EDI Documents are simply data formed in a specific format. The sole purpose of the View Tab is to provide a readable representation of the data in the EDI document. Also, only specific EDI Document types will provide the *View tab* ability.

- EDI 850 – Purchase Order
- EDI 810 – Invoice
- EDI 856 – Advanced Shipping Notice

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Settings



The Settings controls all of the rules and preferences for all *EDI* exchanges. This includes overall configuration, master EDI documents and settings related to connections to your trading partners. (Customers, *Vendor*-Suppliers, Other)

The Settings Screens are accessed from the Monitoring Screen (discussed later). The screen below is an example of what is displayed in the settings area. The panel on the left is a tree-view control that you can use to access various settings. The tree-view on the left of the control panel displays a hierarchical list of the EDI System items that contain settings you can control. Each item has a list of sub-items associated with it. By clicking an item, you can expand or collapse the associated list of sub-items. By clicking a sub-item the panel on the right will display the detailed setting that can be reviewed, changed or deleted.

AutoPower urges caution regarding changes in the setting area. It is not in the scope of this document to define the outcome of all potential changes but to focus you on controls in the EDI Module that will help you manage your EDI exchanges.

What are the EDI Settings I can access?

In summary, below are the settings that you can view or access:

EDI System – accesses Configurations, Licensed Documents, Restore features

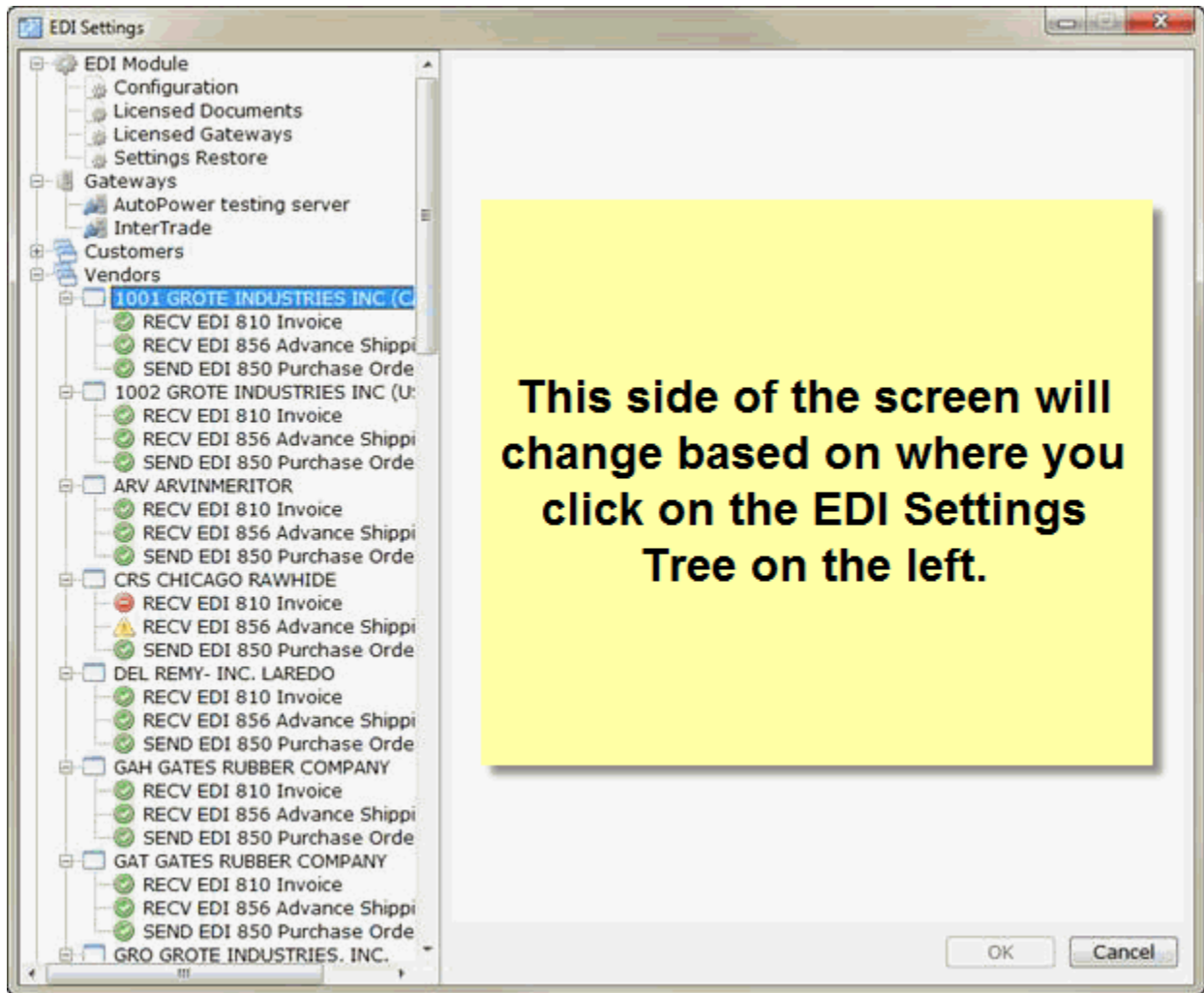
Gateways – accesses available Gateways (direct or indirect) for trading partner exchanges NOTE: Only the AutoPower System user will be capable of enabling gateways that can be accessed in this area.

Customers – accesses current Customer trading partner settings for each established EDI document exchanged.

Vendors – accesses current Vendor trading partner settings for each established EDI document exchanged.

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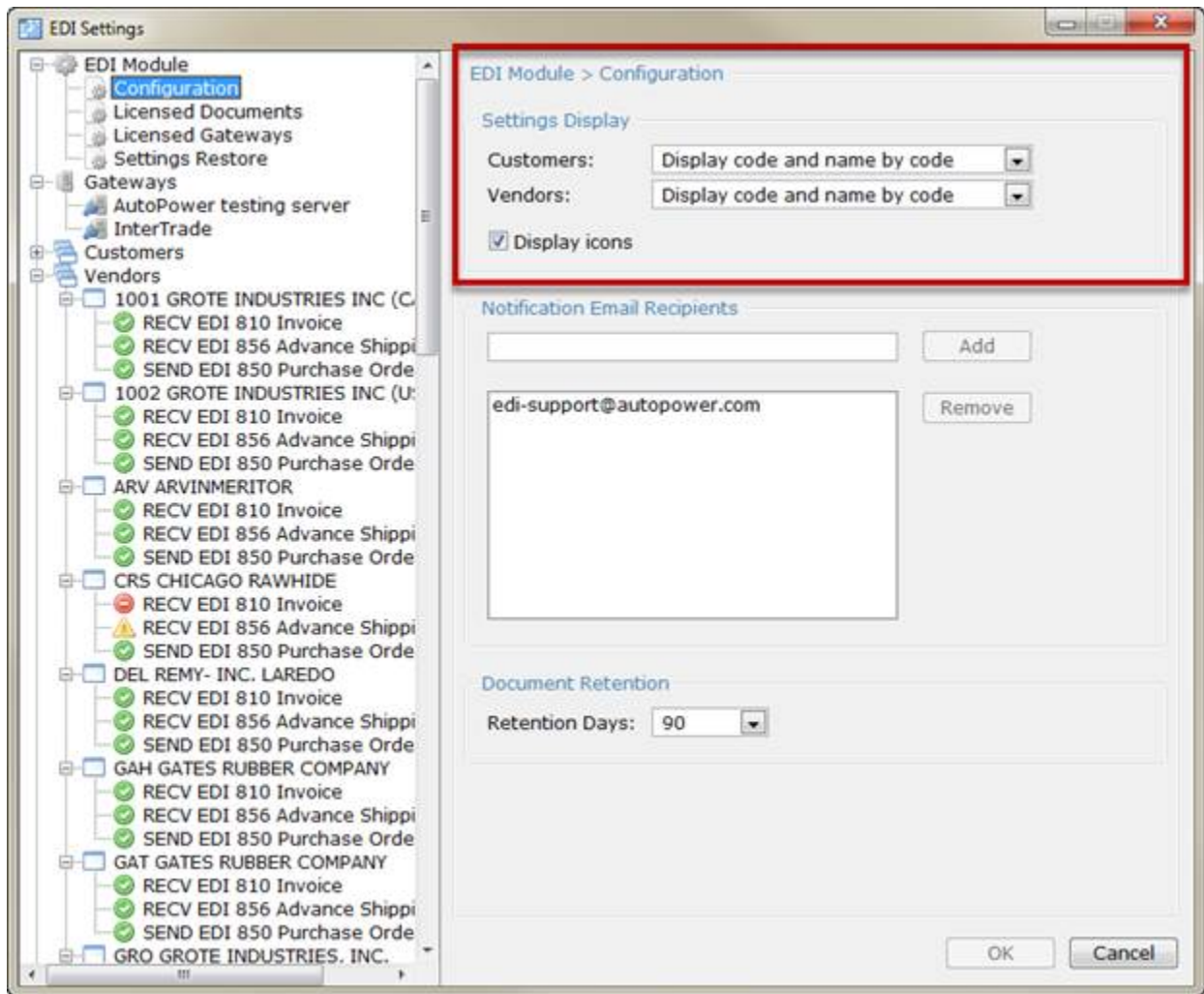
This screen is an example of what you will see when you access the EDI Settings screen.



EDI Settings – Configuration

Clicking on Configuration in the tree allows you to set display preferences, notification email recipients and *EDI* document retention parameters.

Display Preferences



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When viewing the settings screen the left panel display is control by the following display options:

- You can elect to display customer EDI documents by:
- Customer number only
- Customer name only
- Customer number and name sorted by customer number (Default)
- Customer number and name sorted by customer name

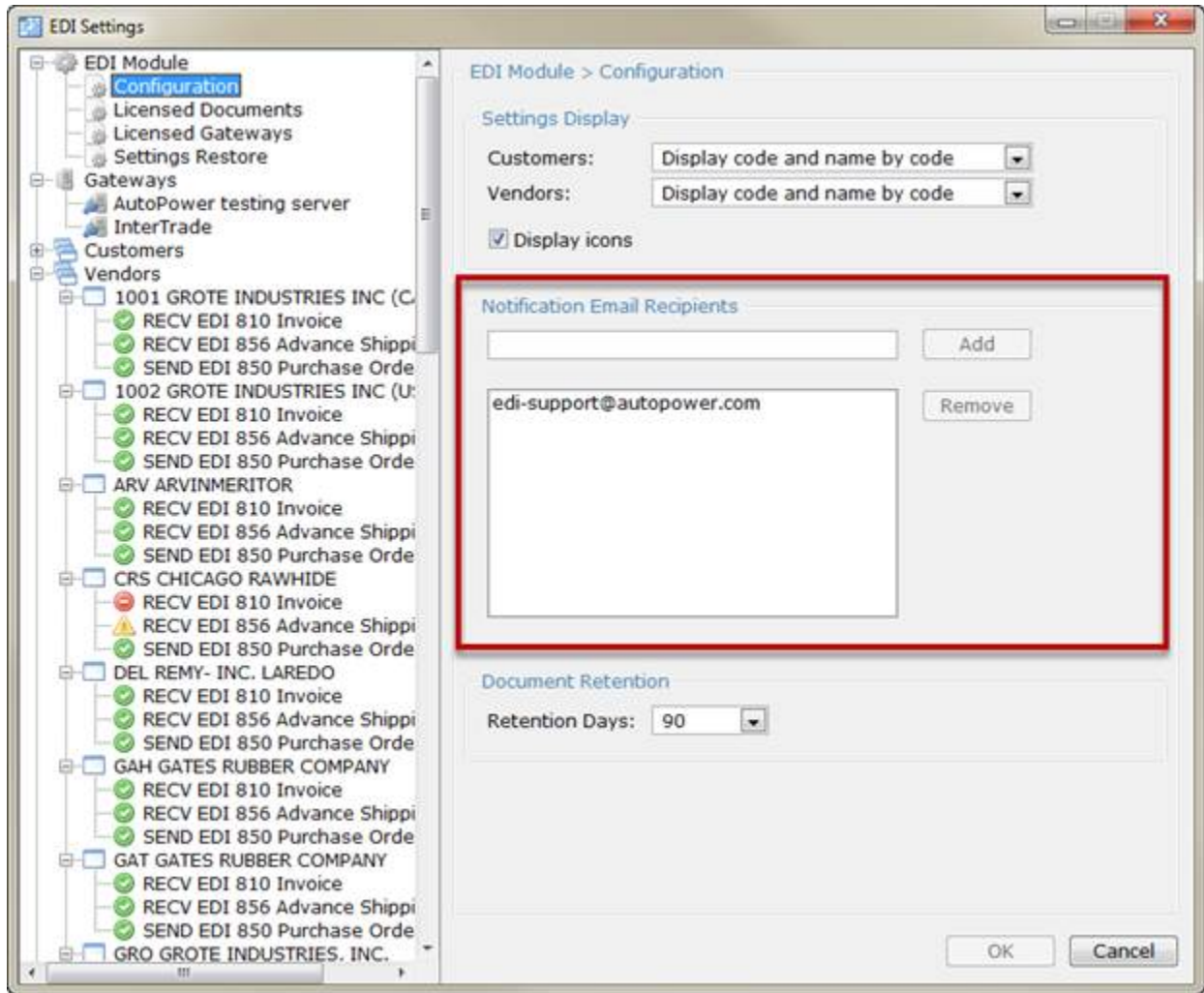
You can elect to display *vendor* EDI documents by:

- Vendor code only
- Vendor name only
- Vendor code and vendor name sorted by vendor code (Default)
- Vendor code and vendor name sorted by vendor name

The Display Icons check box, if checked, indicates to show icons in the tree-view node. By default this is checked.

	ENABLED
	TEST MODE
	DISABLED

Notification Email Recipients

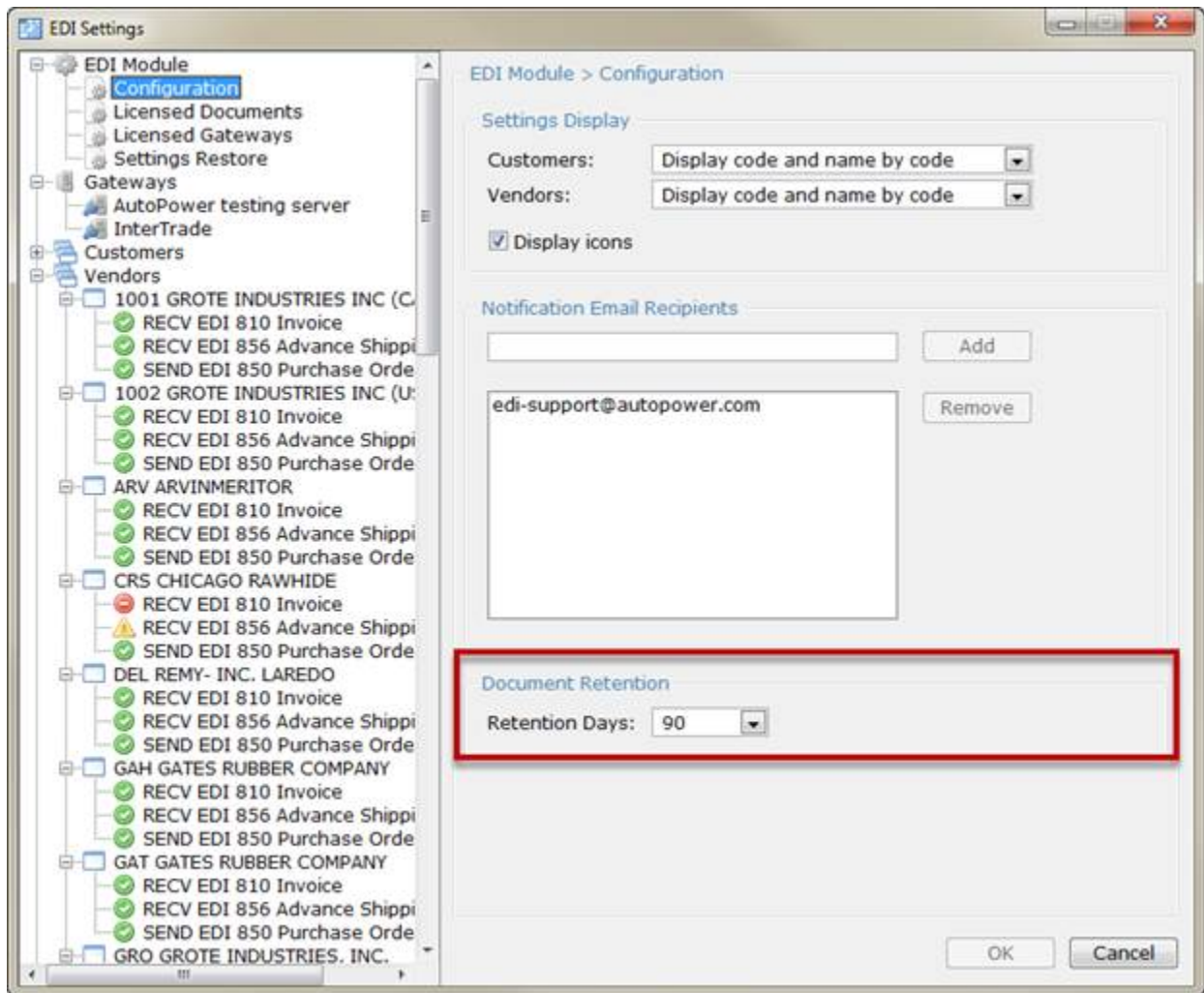


Since EDI exchanges happen automatically and can happen at a very high volume it is the exceptions or failures that must be addressed. The notices of exceptions will be via email and will be sent to email addresses established in this area.

The emails will come from noreply@autopower.com and will have a failure notice note as the subject of the email. You are responsible to establish at least one valid email address to receive EDI exception notices.

Place a valid email address in the text box and click the Add button. You can delete any added email addresses by highlighting (clicking) the email address and clicking the Delete button.

Document Retention



The EDI Module automatically retains all EDI documents for a rolling 365 day period (1 Year). Viewing that many documents in the EDI Monitor may be excessive. This documents retention setting only affects the number of days that will be displayed in the EDI Monitor. You can set the viewing days to 30, 60, 90, 120, 180 and 365 based on your preference. Simply pick your preferred number of days in the Document Retention dropdown box presented.

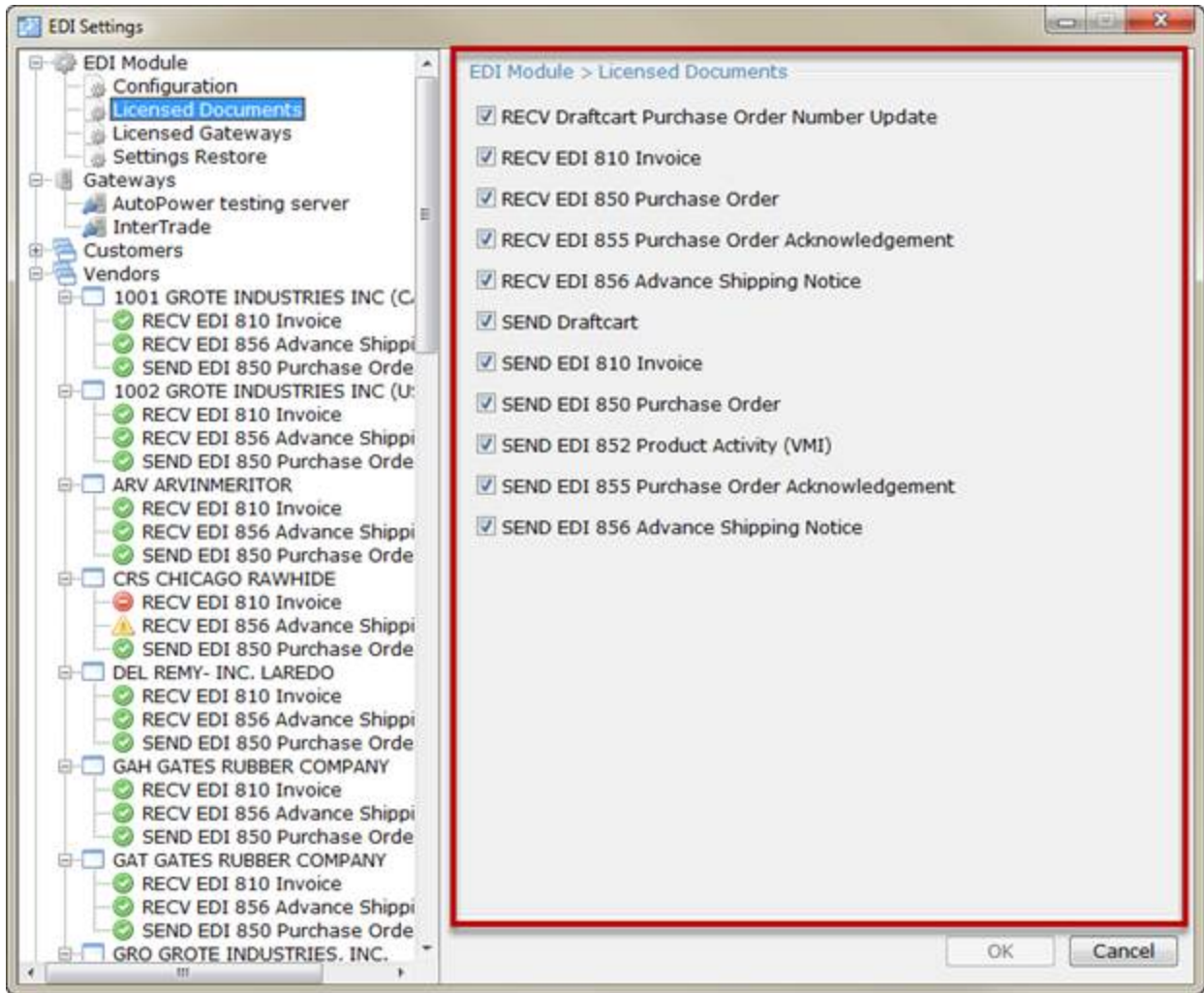
EDI Settings – Licensed Documents

Allows you to view only the type of *EDI* documents you have licensed for use. Once a document is licensed it can be tailored to other trading partners. A check mark in the licensed column means the EDI Module has that type of EDI document available for you. This area is protected and will be grayed out for your viewing. If you need a document not shown or not checked simply email Support@autopower.com and request a quote for the new document type.

How do I start the Process with AutoPower?

If you need a new *trading partner* to use an existing *licensed document* or are establishing a new document with an existing trading partner please download and complete the following form:

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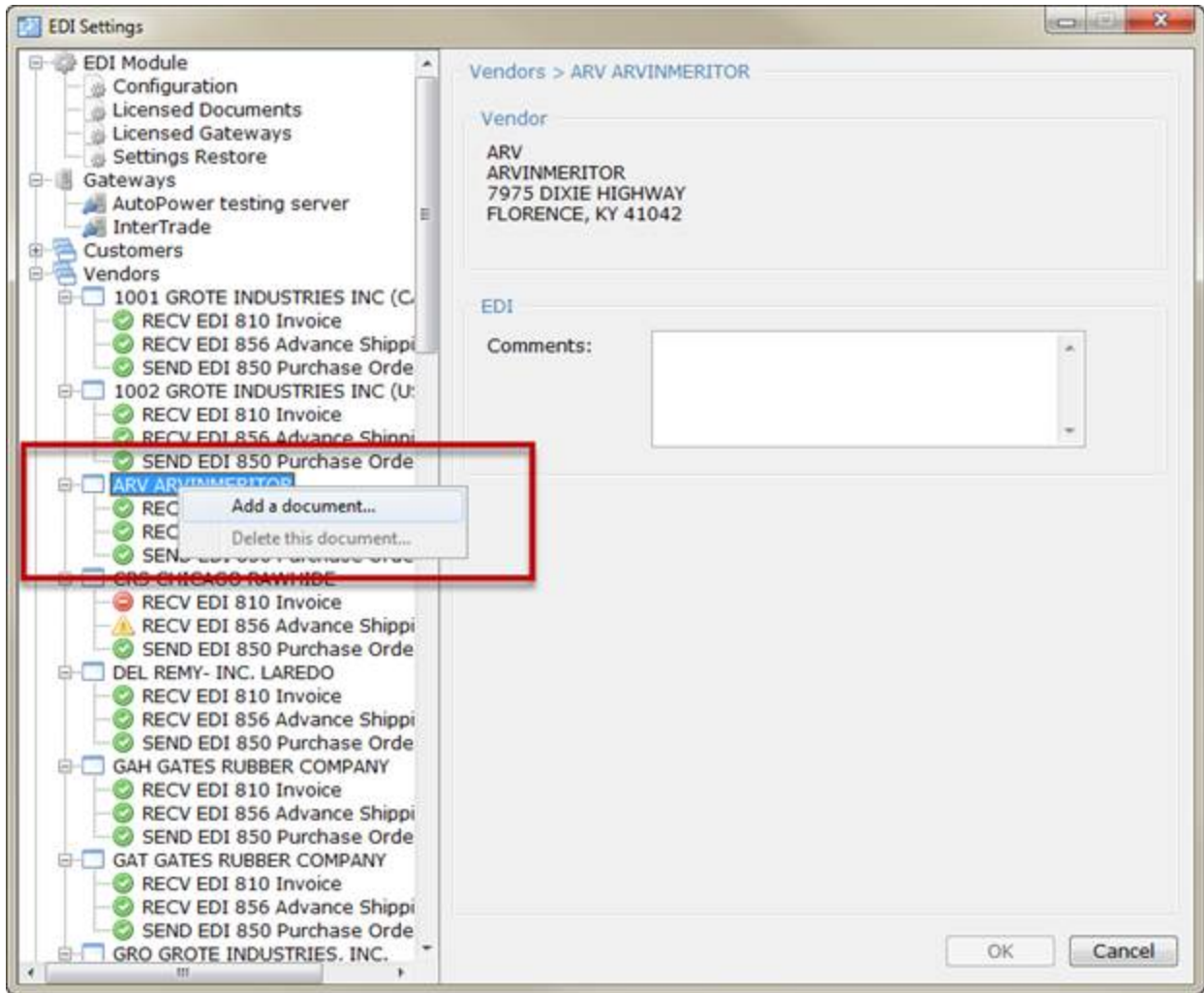


EDI Settings – Add a Document

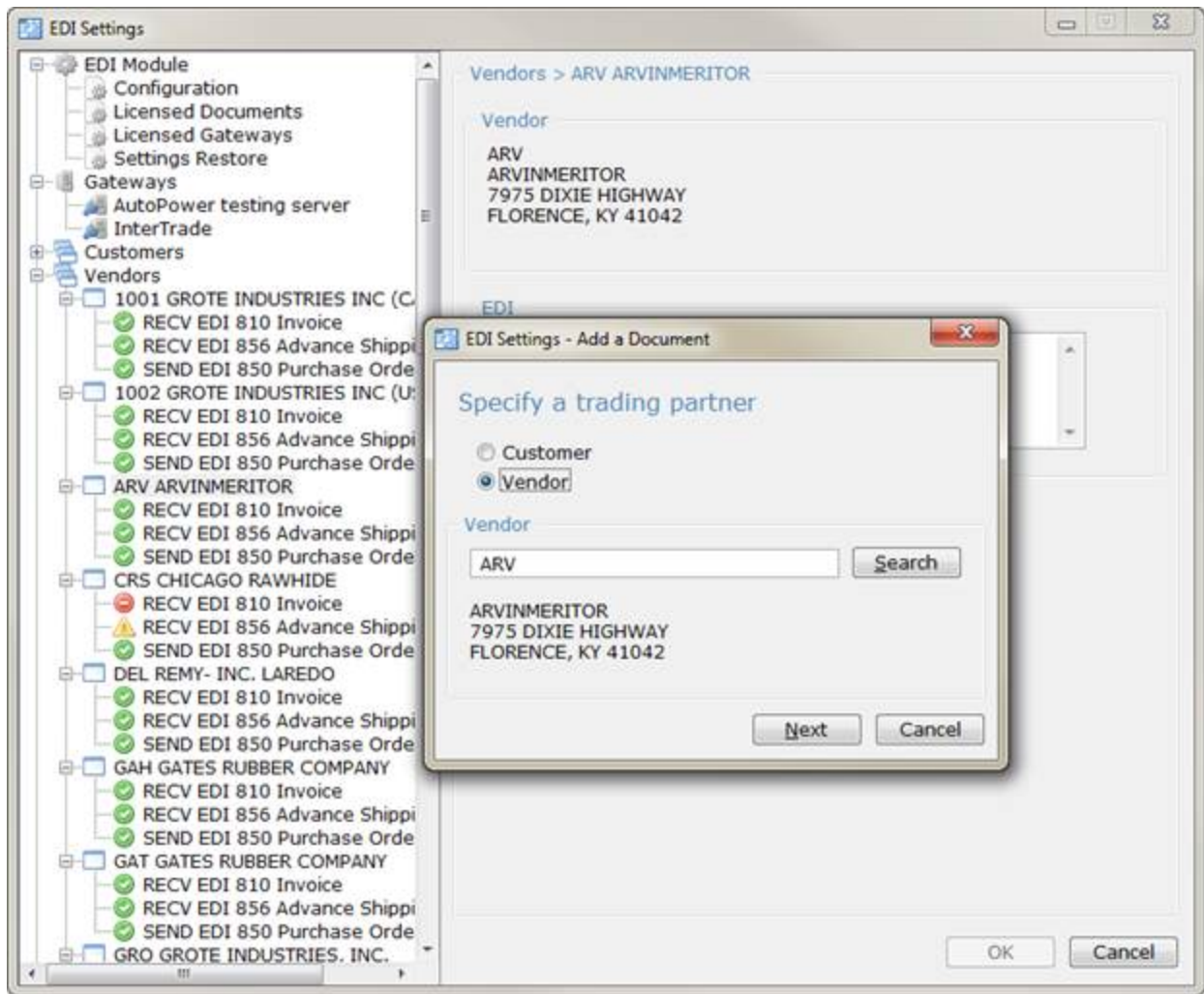
In order for a document to be sent or received, it must first be "added". The *EDI Settings – Add a Document* screen is a "wizard" for adding documents. The wizard is accessed by right clicking in the tree view area of the EDI Setting screen. If you right click anywhere in that area you will be prompted with a search to specify the trading partner to which you want to add a new document. Keep in mind a trading partner can be a *Customer* or a *Vendor*. If you are adding a Customer document you must use the BILLTO account for that customer. The system will not allow SHIPTO customers to be added.

The adding a document process is the same for both. The example we are using is for adding a document to a Vendor.

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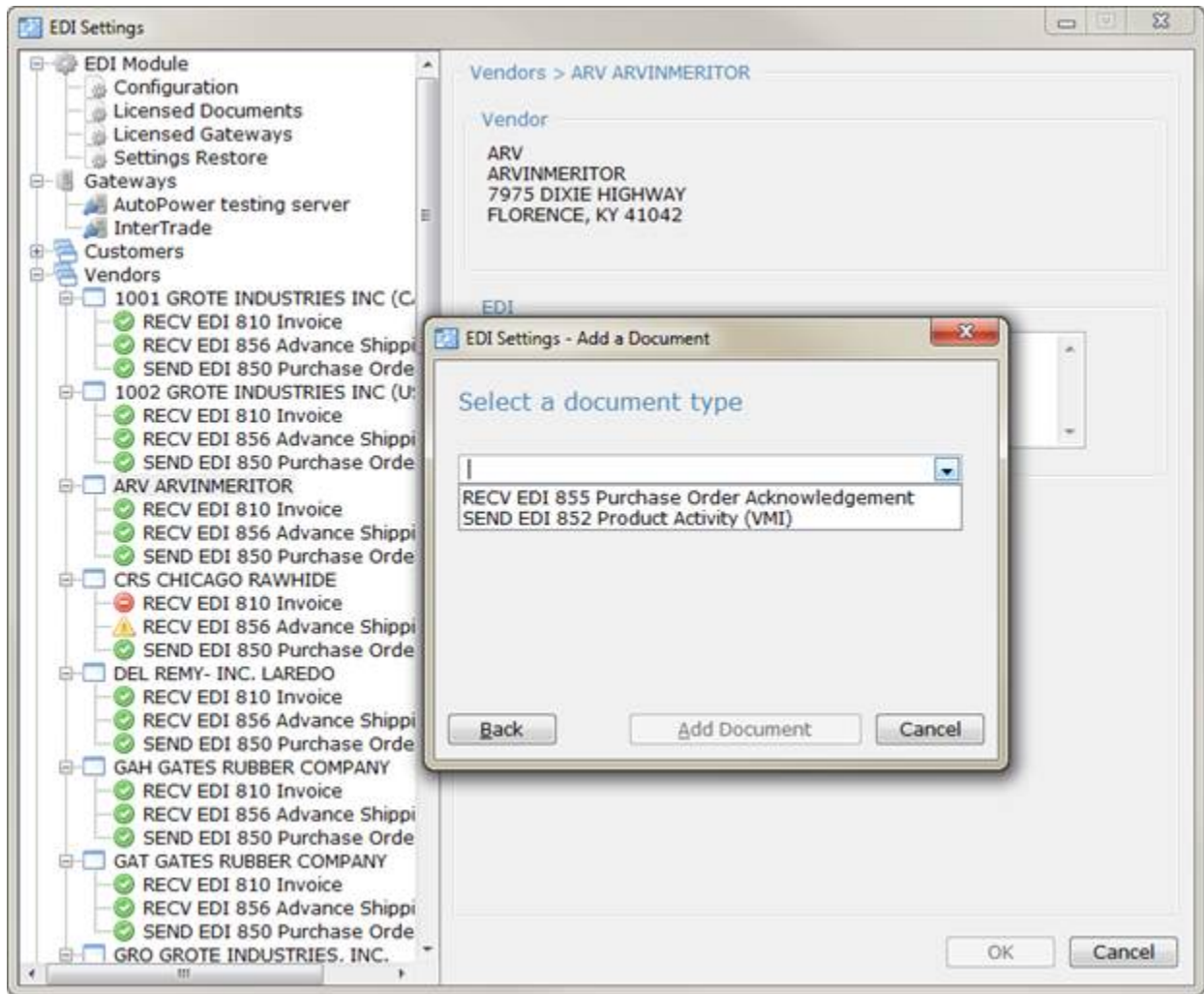
Notice that you can search by specifying the *trading partner* type and searching for a Vendor/ *Supplier* or BILLTO Customer. This search is accessing the Vendor file or the Customer Master file in the AutoPower system.

Also notice that if you have right clicked over a specific trading partner the "Add a document" wizard automatically populates the information for that trading partner and you can simply click the Next button to select a document.

The sequence of picking a trading partner and only then picking a document type is important. This assures that correct trading partner and document relationships are established in the system.

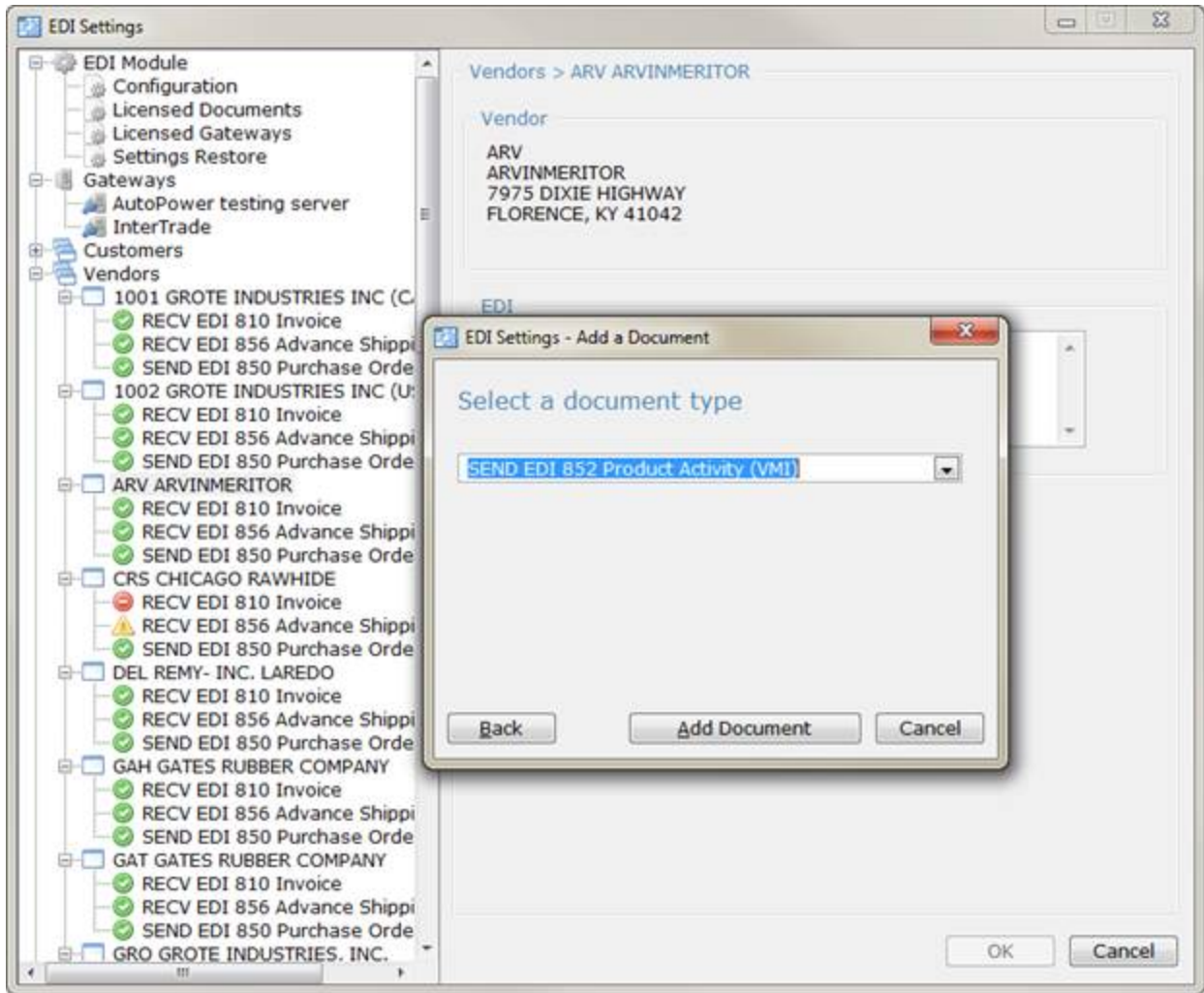
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Once you've selected the trading partner (vendor or customer) click the Next button. And you will be prompted to select the document type to add.



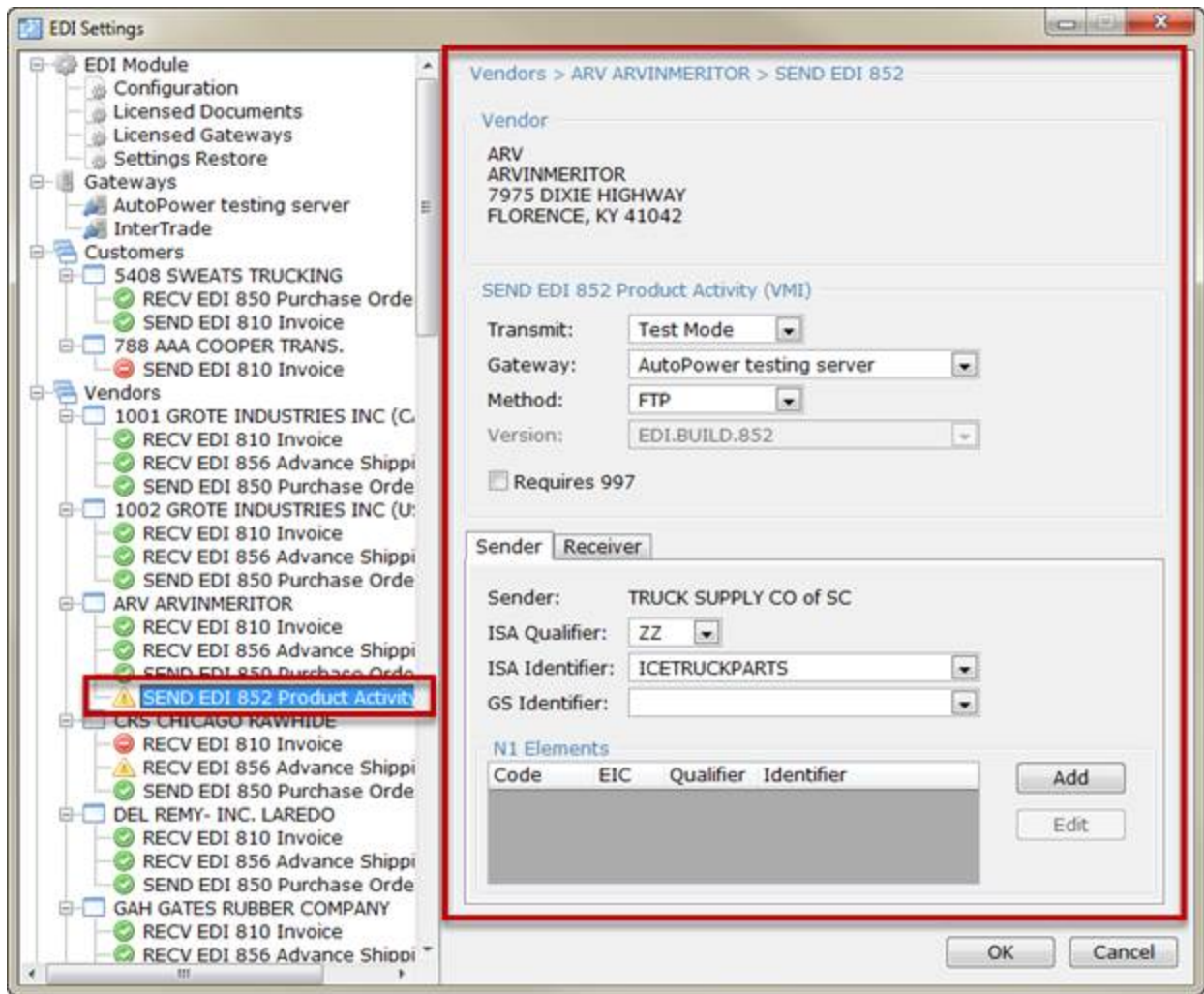
- If you specified a customer on the first page, only document types that are valid for customers will be displayed.
- If you specified a vendor on the first page, only document types that are valid for vendors will be displayed.
- When you select a document from the displayed dropdown list the *Add Document* button will be enabled.

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- Clicking the *Back* button causes the first page to reappear with your entries preserved. Additionally, your document type selection on this screen is also preserved.
- Clicking the *Add Document* button creates a new settings node in the *EDI Settings* screen's tree view on the left in the correct sort position and automatically selects the node in the *tree view*.

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Notice that the entry panel on the right called the *EDI Settings – SEND/RECV* panel is also populated and ready for you to provide the other required specific settings.

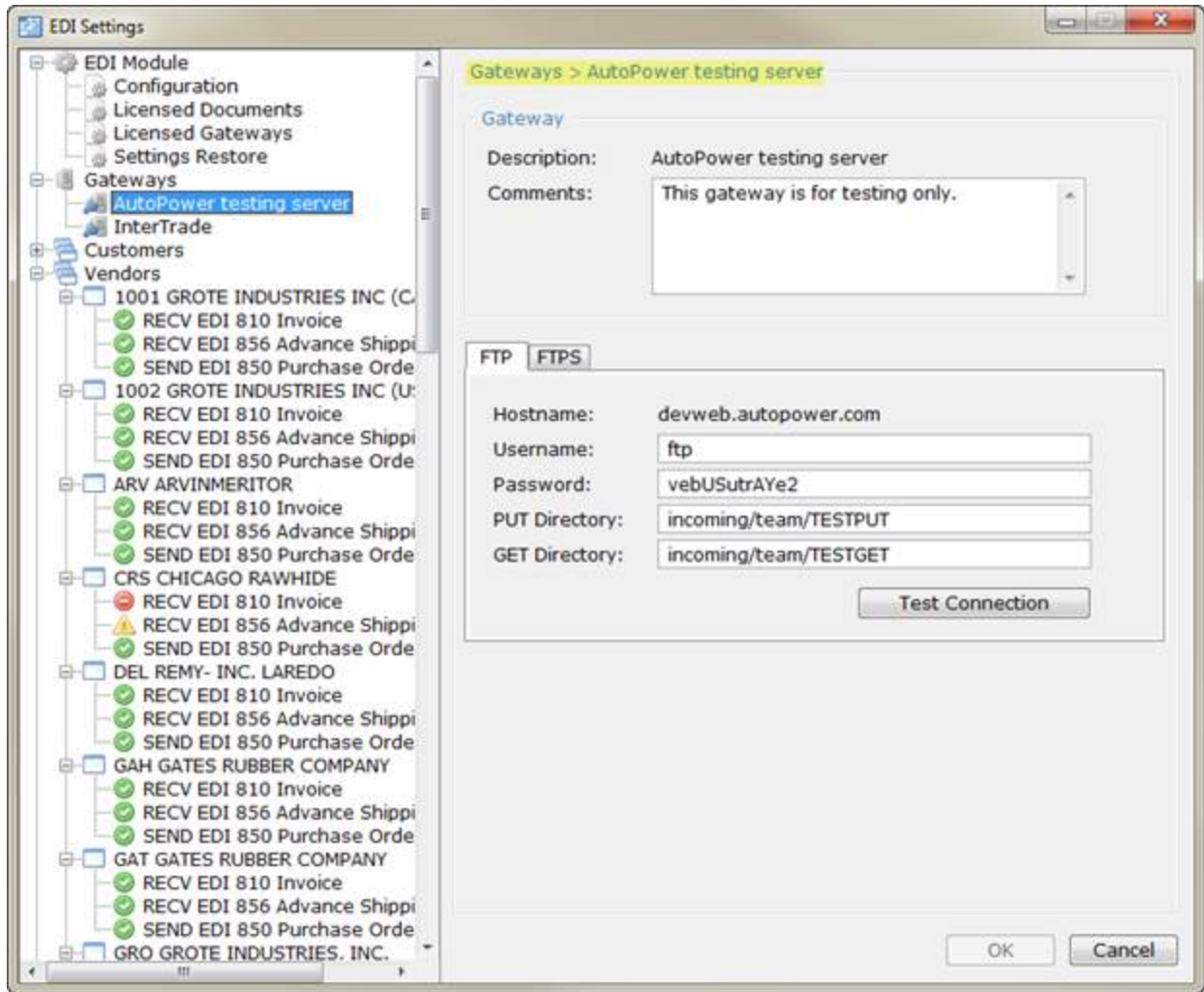
EDI Settings – Gateways

The *EDI Settings – Gateways* panel is used to enter or change gateway-specific information that's used when formatting and transmitting documents. Only AutoPower can setup Licensed Gateways based on the Licensed Documents you have authorized. All Licensed Gateways will display under the Gateways node in the EDI Setting tree.

How do I change or modify Gateway settings?

Start by clicking on the gateway you wish to modify from the Gateways listed in the setting tree on the left. In this example we selected the AutoPower testing server Gateway.

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The Gateway Panel displays on the right. Notice that the breadcrumb heading at the top of the panel indicates your location.

At the top of the panel, the *Description* field displays the gateway's description (i.e. name). This is an AutoPower system-defined description for the Licensed Gateway and is un-editable.

Items you can edit are:

- The *Comments* textbox below the Description allows you to enter multiple-line, free-form comments about this gateway. For example, the gateway's contact name, phone number, and email address could go here.

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Below the *Comments* are the *FTS* and *FTPS* tabs. These tabs are the valid transmit methods for this gateway. They are AutoPower system-defined. Each tab contains controls that are applicable to that specific transmit method.

The *Hostname* is a label that displays the system-defined hostname for this gateway. The hostname is tied to the gateway and cannot be edited. If the gateway requires a different URL for testing versus production, then a second gateway definition must be created for the explicit purpose of test-only.

- The *Username* is a textbox for entering the merchant's username for connecting with the gateway.
- The *Password* is a textbox for entering the merchant's password for connecting with the gateway. Note that the password is NOT hidden or masked and is case sensitive.
- The *PUT Directory* is a textbox for specifying where the merchant is to put files that are being sent from the merchant. Leaving this field blank is allowed a gateway will simply establish where files are sent based on the username and password.
- The *GET Directory* is a textbox for specifying where the merchant is to get files that are being received by the merchant. Leaving this field blank is allowed as a gateway will simply establish where files are retrieved based on the username and password.

Clicking the *Test Connection* button performs a real time connection to the *Hostname* using the entered *Username* and *Password* values.

The *Test Connection* button is disabled when either the *Username* or *Password* fields are empty.

If the connection failed, a message box pops up with the text *Test Connection Failed*.

If the connection was successful, a message box pops up with the text *Successfully Connected*.

Why is my gateway connection failing?

1. Do you have a connection to the internet?
 - **Confirm you have internet connection.**

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2. Did you select the correct transmit method?
 - **Confirm you have the correct communication protocol selected.**
3. Do you have the correct gateway credentials entered?
 - **Confirm you have the correct user name.**
 - **Confirm you have the correct password (these are always case sensitive).**
4. Have you entered the right directory entered for files being sent or received?
 - **Confirm you have the correct PUT directory path and name (if required).**
 - **Confirm you have the correct GET directory path and name (if required).**

These are the most typical reasons for connection failure but, there can be others related to fire wall changes or changing ISPs. It is rare but there could also be a change at the Gateway causing the failure.

If you've confirmed all of the above and cannot connect, please call 407-695-7300 or email support@autopower.com, for support.

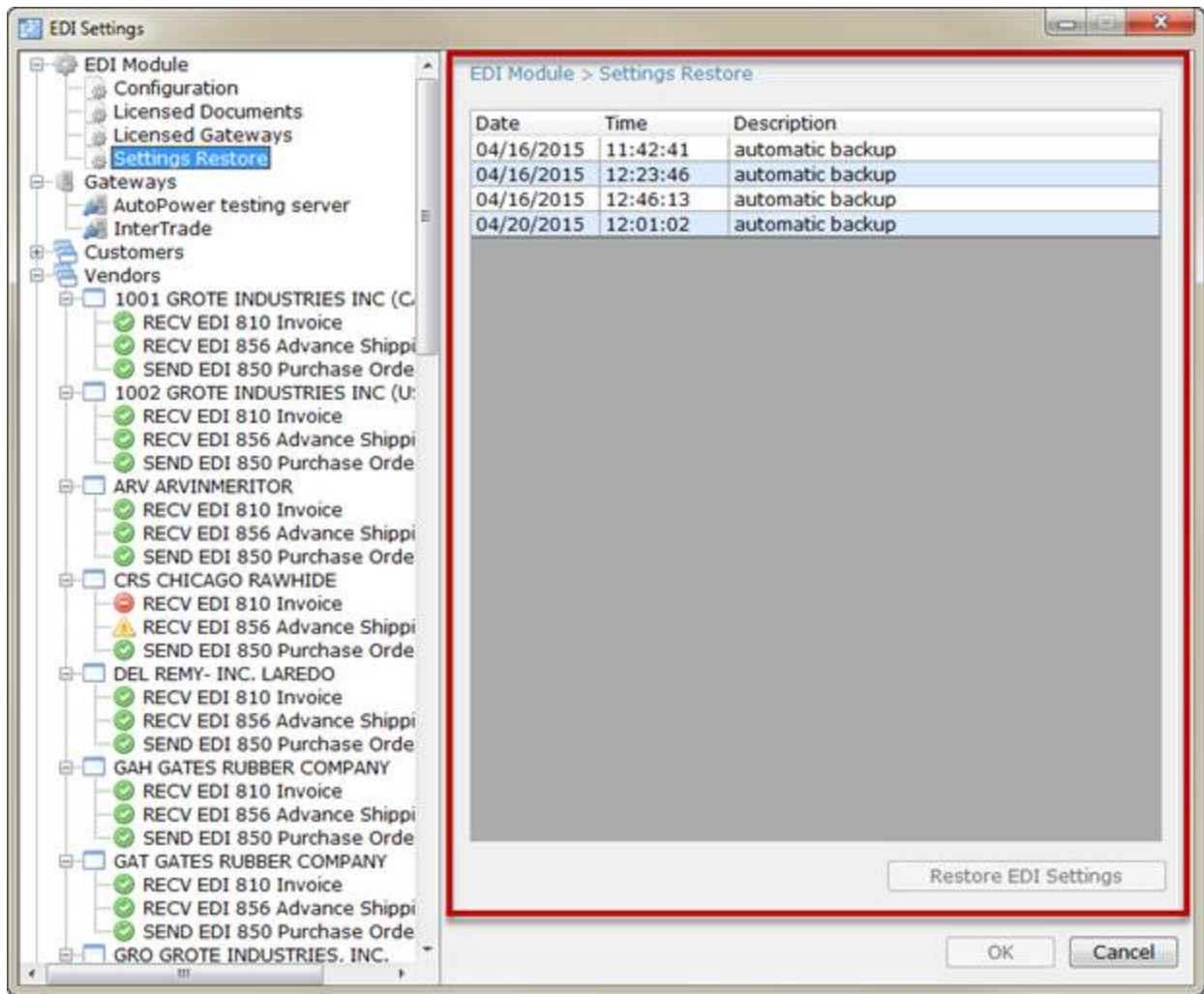
EDI Settings – Automatic Backup

A feature that automatically backs up the existing *EDI* Settings for GATEWAYS, Customers and Vendors anytime a change is made in any of the settings that affect the EDI document transactions. There are no screens associated with this feature it is simply automatic and keeps a restore point with “Good” settings should the new settings fail for some reason. Backups are maintained for 365 days

EDI Settings – Restore

A feature that works in tandem with any Automatic Backup that has occurred. When you click on this feature in the Setting panel you will be presented with a grid displaying all automatic backup that have occurred in the last 365 days. The grid contains the date and time of any automatic backup and can be sort by clicking any column title.

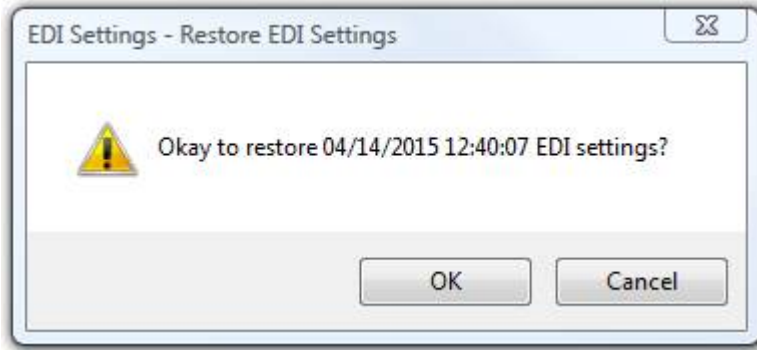
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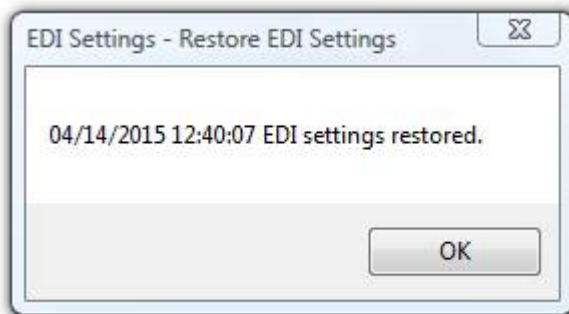
Once you have identified the restore point you wish to use click on that row and then click the Restore EDI Setting Button.

You will be requested to confirm that you want to restore the selected recover point. Simply click OK to initiate the restore process or Cancel to stop the restore

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If you elected to restore the setting a confirmation of the restored settings will be presented. Simply click OK to acknowledge the restore process is complete. The EDI Module will close. You will need to access the module again if you wish to make other changes.



EDI Settings – SEND/RECV

Electronic documents to be **sent** from the *merchant* to customers (or vendors) must have specific settings. Receiving documents is similar. The following is a panel description for each frame of the SEND/RECV panel.

Vendors > ARV ARVINMERITOR > SEND EDI 852

Vendor

ARV
ARVINMERITOR
7975 DIXIE HIGHWAY
FLORENCE, KY 41042

SEND EDI 852 Product Activity (VMI)

Transmit: Test Mode

Gateway: AutoPower testing server

Method: FTP

Version: EDI.BUILD.852

Requires 997

Sender Receiver

Sender: TRUCK SUPPLY CO of SC

ISA Qualifier: ZZ

ISA Identifier: ICETRUCKPARTS

GS Identifier:

N1 Elements

Code	EIC	Qualifier	Identifier
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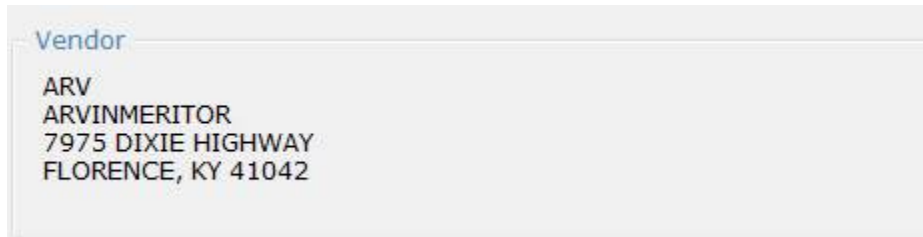
Add

Edit

OK Cancel

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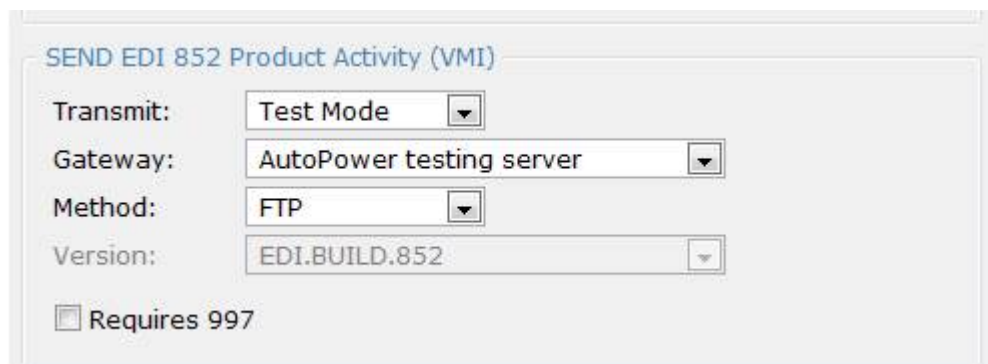
FRAME 1 - The *EDI Settings – SEND Document Type* panel is composed of a *top frame* with the name and address of the applicable *customer* (or *vendor*). This information is display only and is based on the “Add a document” previously described.



Vendor

ARV
ARVINMERITOR
7975 DIXIE HIGHWAY
FLORENCE, KY 41042

FRAME 2 - The *center frame* is titled with the document type. The bottom of the panel has a group of tabs that define the transmit mode status, the Gateway use to transmit the document, the method and finally the document and version builder. The *center frame* is titled with the document type.



SEND EDI 852 Product Activity (VMI)

Transmit: Test Mode

Gateway: AutoPower testing server

Method: FTP

Version: EDI.BUILD.852

Requires 997

Transmit:

1. The *Transmit* dropdown list box has three choices: *Enabled*, *Test Mode*, and *Disabled*.
 - *Enabled* is the default. This means that the document shall be sent in production mode to the specified gateway.
 - *Test Mode* – This sends the document with the ISA15 segment set to "T" for test. Proprietary non-EDI document types may use this "test mode" per their own specification.
 - *Disabled* – This disables document transmission. While this will definitely disable documenting sending, the receiving process may still retrieve this document type in a group of documents from the vendor – in this case, the received disabled document is logged as received but not processed.

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When you change the *Transmit* selected, the tree view icon changes in real-time.

Gateway:

2. The *Gateway* dropdown list box contains a list of system-defined gateways. Selecting a gateway updates the *Method* dropdown list box with the appropriate transmit methods for the selected gateway.
 - Only enabled gateways will be listed.

Method:

3. Changing the *Gateway* causes the *Method* dropdown list box to change. The *Method* dropdown list box shall contain all the transmit methods for the selected gateway.
 - If the selected gateway and method is missing connection information (must have at least username and password), an Error appears next to the *Method* field with the message "*Missing {gateway} {method} information.*" where {gateway} is the gateway's description and {method} is the selected *Method*.
 - If the gateway only has one method, it is automatically selected.
4. Changing the *Gateway* causes the sender and receiver ISA fields (qualifier and identifier) to change to the selected gateway's ISA data values. (See *Sender* tab and *Receiver* tab below).
5. The *Version* dropdown list box lists the system-defined versions (output formats) for the given document type. The dropdown list box only lists versions that relate to the specified document type.

Requires 997:

The *Requires 997* checkbox should be checked if it is expected the customer to send a 997 functional acknowledgement in response to the document that is sent.

6. Checking this checkbox means you MUST receive a 997 in order to consider a document transmission to be complete without transmission error.
 - If the recipient does NOT send 997's, then this checkbox must be unchecked in order to consider a document transmission to be complete.

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FRAME 3 - The bottom portion of the panel has a tab group with two tabs labeled *Sender* and *Receiver*.

The screenshot shows a software interface with two tabs: 'Sender' and 'Receiver'. The 'Sender' tab is active. It contains the following fields and controls:

- Sender:** A text field containing the value 'ICE TRUCK PARTS'.
- ISA Qualifier:** A dropdown menu.
- ISA Identifier:** A dropdown menu.
- GS Identifier:** A dropdown menu.
- N1 Elements:** A table with the following structure:

Code	EIC	Qualifier	Identifier

 To the right of the table are two buttons: 'Add' and 'Edit'.

The *Sender* tab displays controls for setting EDI element data.

- **ISA Qualifier** – this is a dropdown listbox with the values:
 - 01 Duns (Dun and Bradstreet)
 - 08 UCC EDI Communications ID
 - 12 Phone
 - 14 Duns with suffix
 - 16 Duns with 4 character suffix
 - ZZ Mutually defined

Note that the selected/collapsed list box only shows the two character code.

- **ISA Identifier** – this is a combo box populated with any existing ISA identifier information for the specified gateway - vendor combination. You may choose to ignore the selections and type in an identifier.
- **GS Identifier** – this is a combo box populated with any existing ISA or GS identifier information for the specified gateway: vendor combination. The user may choose to ignore the selections and type in an identifier.

To aid the (new) entry process, the program defaults to the *ISA Qualifier*, *ISA Identifier*, and *GS Identifier* fields matching the existing gateway - vendor configuration. If a Timken 850 was sent via GCommerce, then an 852 should be sent via GCommerce with the same identifiers. All the N1 Elements (below) will default as well.

7. The *N1 Elements* frame contains a *grid*, an *Add* button, and an *Edit* button.

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8. The *N1 Elements grid* contains several columns: *Code*, *EIC*, *Qualifier*, and *Identifier*.
 - Code – this will be either the vendor's code (@ID) or the branch "W"number.
 - EIC – N101 Entity Identifier Code.
 - Qualifier – N103 Qualifier
 - Identifier – N104 Identifier
9. Clicking the *Add* button causes the *EDI Settings – N1 Element* screen to pop up.
10. The *Edit* button is initially disabled until a row is selected.
11. Clicking the *Edit* button pops up the *EDI Settings – N1 Element* screen filled with the row data.

The *Receiver* tab works just like the *Sender* tab. The *Sender* and *Receiver* tabs are context-dependent.

- When sending a document, the *Sender* tab will hold merchant data and the *Receiver* will hold trading partner data.
- When receiving a document, the *Sender* tab will hold trading partner data and the *Receiver* tab will hold merchant data.

Integration



EDI standards define which pieces of information are required and which are optional for a particular EDI document and establishes the rules for the structure of the document. Just as two houses can be built “to code” but look very different, two EDI documents can follow the same standard but contain different pieces of information.

EDI integration in AutoPower really means data integration. Simply stated, data integration is the act of transferring data directly from its source seamlessly into or from the AutoPower data files.

AutoPower has designed a number of standard documents as the mechanism for assigning which data elements on an EDI transaction are for sending or receiving. These standard documents are then tailored to each *trading partner* based on the different pieces of information required. Integration is a service provided by AutoPower based on your EDI needs.

Since the data is automatically assembled and/or applied in the AutoPower system, you get the greatest benefits of EDI – Increased Productivity, Decreased Expenses, Reduced Cycle Time, Improved Supply Chain Visibility & Control and Enhanced Security.

EDI Documents

Typical document exchanges that can be licensed and used in the EDI Module.

What are the types of EDI documents used in our industry?

Available EDI Documents	Description
850 & 997 EDI/XML Outbound	Purchase Order 997 Acknowledgment
850 & 997 EDI/XML Inbound	Purchase Order 997 Acknowledgment
810 & 997 EDI/XML Outbound	Invoice & Acknowledgement
810 & 997 EDI/XML Inbound	Invoice & Acknowledgement
856 EDI/XML Outbound	Advanced Shipping Notice
856 EDI/XML Inbound	Advanced Shipping Notice
855 EDI/XML Outbound	Purchase Order Acknowledgment
855 EDI/XML Inbound	Purchase Order Acknowledgment
832 EDI/XML Outbound	Product Catalog Price File
832 EDI/XML Inbound	Product Catalog Price File
852 EDI/XML Outbound	Product Activity or Movement
852 EDI/XML Inbound	Product Activity or Movement

What are the proprietary EDI data exchanges used for?

Proprietary EDI Data	Description
ERP Exchanges	Typically data exchanges defined by and Enterprise Resource Planning spend management software specification. (Examples: Oracle Punch-out.)
Any to Any data Formatting	Tailored exchanges where the exchange formatting, form, data and use are defined by the Trading Partners or business need and the real-time or periodic need for the

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data.

Examples : NAPA- Link; Spark-
Link; Exports to SQL or other
databases

(XML, CXML, .txt, .csv)

References

FAQ's

General

- This is my first EDI rodeo where do I start?
- [How do I start the process with AutoPower?](#)

Integration

- [What are the types of EDI documents used in our industry?](#)
- [What are the proprietary EDI data exchanges used for?](#)
- [What are the benefits of EDI data exchanges?](#)

Settings

- [What are the EDI Settings I can access?](#)
- [What do the Icons in the setting tree mean?](#)
- [How do I change or modify Gateway settings?](#)
- [Why is my gateway connection failing?](#)
- [How do I add an EDI Document to a Vendor or Customer?](#)
- [How do I set the transmit mode, Gateway and method?](#)
- [How do I set the system to receive 997 functional acknowledgements?](#)
- [How do I set the ISA Qualifier, ISA Identifier and/or the GS Identifier?](#)
- [How do I set the N1 Elements?](#)

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Monitor

- [How do I review my EDI documents?](#)
- [How do I know if there is a problem?](#)
- [How do I know what "Error" has occurred?](#)
- [What should I do with a "Sent but not acknowledged" status document?](#)
- [How can I see more information about an electronic document?](#)
- [How can I print a representation of the EDI document?](#)

Benefits

By integrating your *EDI* workflow with the AutoPower EDI Module you streamline how information flows throughout your organization. The benefits can be tremendous, including:

Increased Productivity:

Automated transactions save significant time by eliminating manual effort for both processing transactions and researching errors.

Decreased Expenses:

Automation also reduces the risks for charge-back, errors caused by manual processes and even paper costs.

Reduced Cycle Time:

Sending and receiving EDI data happens in seconds and can be acted on immediately, resulting in reduced cycle times for both you and your trading partners.

Improved Supply Chain Visibility & Control:

With EDI, product sales data, product inventory status, demand forecasts and other metrics can be shared with suppliers and their suppliers – allowing for better inventory management and supports just-in-time delivery.

Enhanced Security:

Established communication protocols addressing encryption and other security issues that enable critical business or personal data to be exchanged with higher levels of security.

Glossary

C

Customer: A company or entity that purchases parts or products from the merchant directly or indirectly.

E

EDI: An Electronic Data Interchange transaction that provides the receiving company with data and information that tends to impact the supply chain in three areas : Cost, Accuracy, and Flexibility.

G

Gateway – Direct: Shall mean a direct communication where EDI documents can be exchanged between trading partners. This shall also be referred to as a Licensed Gateway.

Gateway – VANS: Shall mean Value-Added Networks (VANS). VANS are also sometimes called EDI Networks or Gateways which are simply a secure network where EDI documents can be exchanged between trading partners. This shall also be referred to as a Licensed Gateway.

I

ISP: Stads for Internet Service Provider.

L

Licensed Document: A standard EDI document or Proprietary document the merchant requested AutoPower to integrate and install in the EDI Module.

M

Merchant: A company using the AutoPower System to help manage and automate their business operations.

S

Supplier: A company that provides parts or products to the Merchant.

T

Trading Partner: A party to the transaction(s) in the supply chain, such as a Merchant, Supplier or Customer.

V

VANs: Value-Added Networks (VANs). VANs are also sometimes called EDI Networks or Gateways which are simply a secure network where EDI documents can be exchanged between trading partners. This shall also be referred to as a Licensed Gateway.

Vendor: A company that provides parts or products to the Merchant.