RESOLV EDI CONTROL

User Guide
Version 10.0

PRESENTED BY
VISTAVU SOLUTIONS

Resolv EDI Control is part of the Resolv Suite, which has been certified by SAP as conforming to SAP's standards for Business One add-on solutions.

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RESOLV EDI CONTROL
USER MANUAL

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Introduction

Effective communication between trading partners is an important component of a successful business. Whether required by larger customers or vendors or desired internally as a mechanism to improve efficiency in workflow, Electronic Data Interchange (EDI) has emerged as the long established tool for exchanging transactional documents between organizations. The process is further optimized when an integrated system is available to send and receive EDI communications directly into the SAP Business One ERP system.

The ***Resolv EDI Control*** module provides enhanced functionality that is fully integrated into SAP Business One. EDI administrators have the ability to create and manage trading partners, automate the creation of both SAP documents and EDI documents and ensure that process and procedures are followed such that successful communication with different trading partners can be accomplished, even with their varied requirements.

Major features include:

Trading Partner Maintenance

- **Including multiple trading partners per Business Partner Master**

This function provides complete control for each trading partner including:

- **Selection of EDI Documents to Process**
- **Ship to and Bill to address control**
- **Notifications to specific users by SAP message or email**

Inbound and Outbound Marketing Document Automation

Manage, review and process inbound and outbound transactions from within SAP

- **Create Sales Orders by importing 850 documents**
- **Send 855 and 997 acknowledgements**
- **Advanced Ship Notices (856) and Invoices (810) are created directly from SAP**
- **Support for other documents, such as Credit Memos, cash application, activity reports and more.**

Sales Order Approval

- **View all orders on hold from a single screen**
- **Enter approval or rejection**
- **View archive of past entries**

Setups

Resolv EDI Control consists of two major components. One is an EDI software interface that allows for communication with supported VANs and direct communication with Trading Partners utilizing AS2. The second is an integrated SAP Business One interface which is part of the Resolv suite add-on.

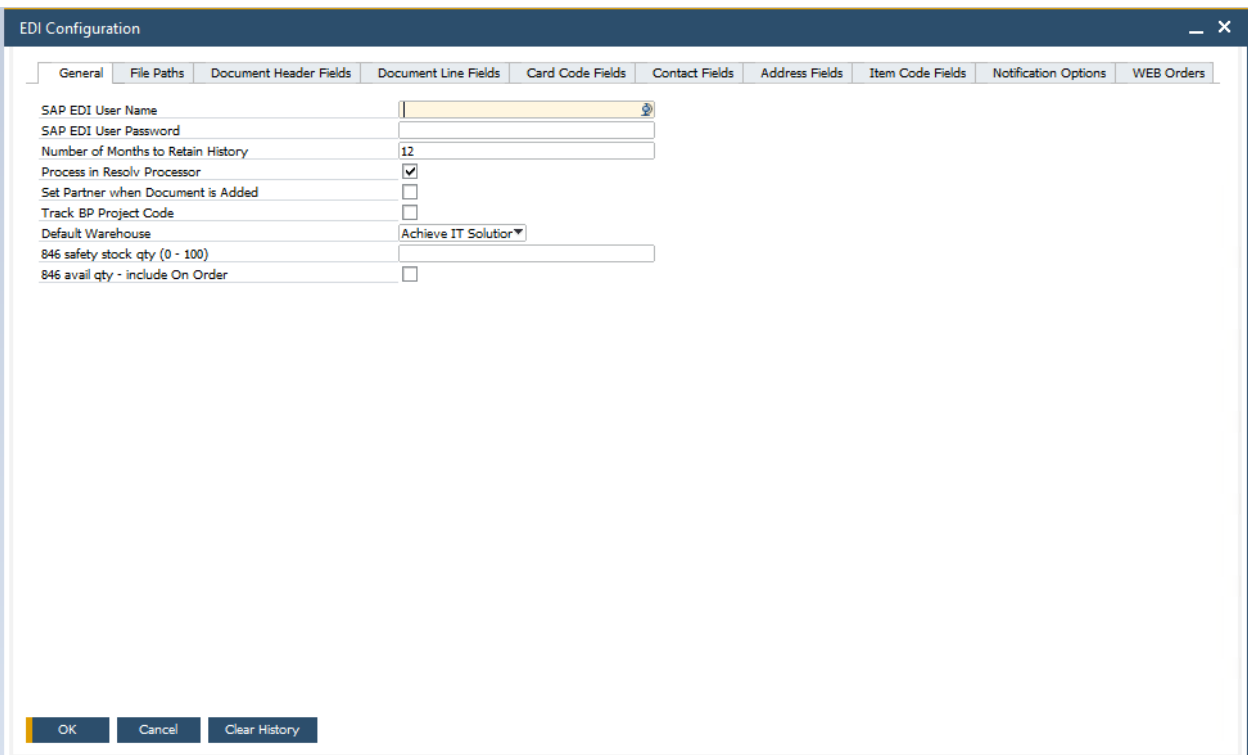
This guide focuses on the setup and use of the SAP interface.

EDI Configuration

Administration > Resolv Setup> Resolv EDI Control > EDI Configuration

This screen allows you to make certain selections about how the EDI system will work. This is a multiple tab form.

General Tab



SAP EDI User Name: This field contains the user credentials that the EDI system will utilize to create the SAP Marketing Documents. This will typically be left blank. The user created will be populated from either the user creating the marketing document from the menu or the user associated with the processor creating the marketing document.

SAP EDI User Password: This field contains the password for the User Name specified in the SAP EDI User Name field. This field will be left blank if the User Name is left blank.

Number of Months to Retain History: This field is used to identify how long EDI history should be retained before the related files maintained outside of SAP are deleted. This value should be numeric, for example 12 for 12 months of maintenance. This value is used when the Clear History button is selected.

Process in Resolv Processor: Check this box if EDI transactions will be scheduled by the Resolv Processor, which allows automatic processing by means of the Windows Scheduler.

Set Partner when Document is Added: Check this box if you want orders that are entered manually (not imported in through EDI) to have the EDI partner ID UDF automatically set when the order is added. This UDF is needed to generate EDI outbound documents (i.e., 810, 855).

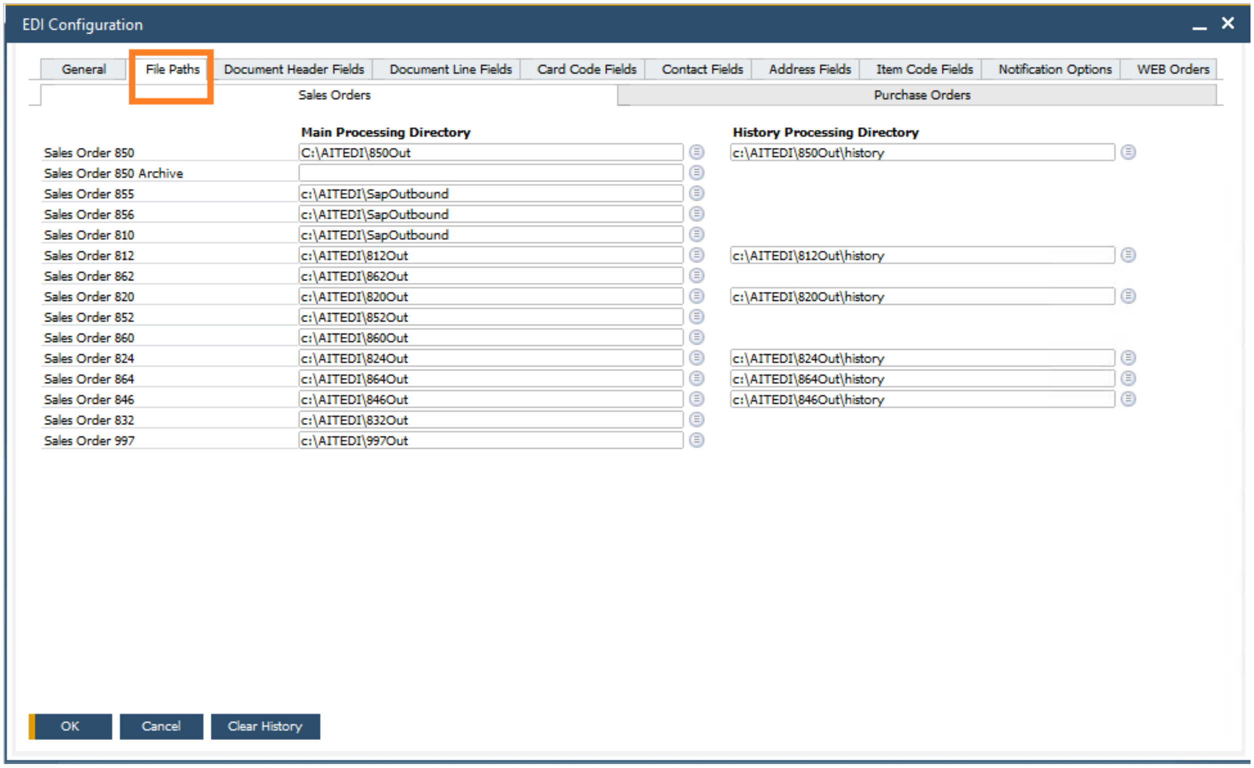
Track BP Project Code: Check this box if you want orders processed through EDI to have a BP project assigned to them automatically.

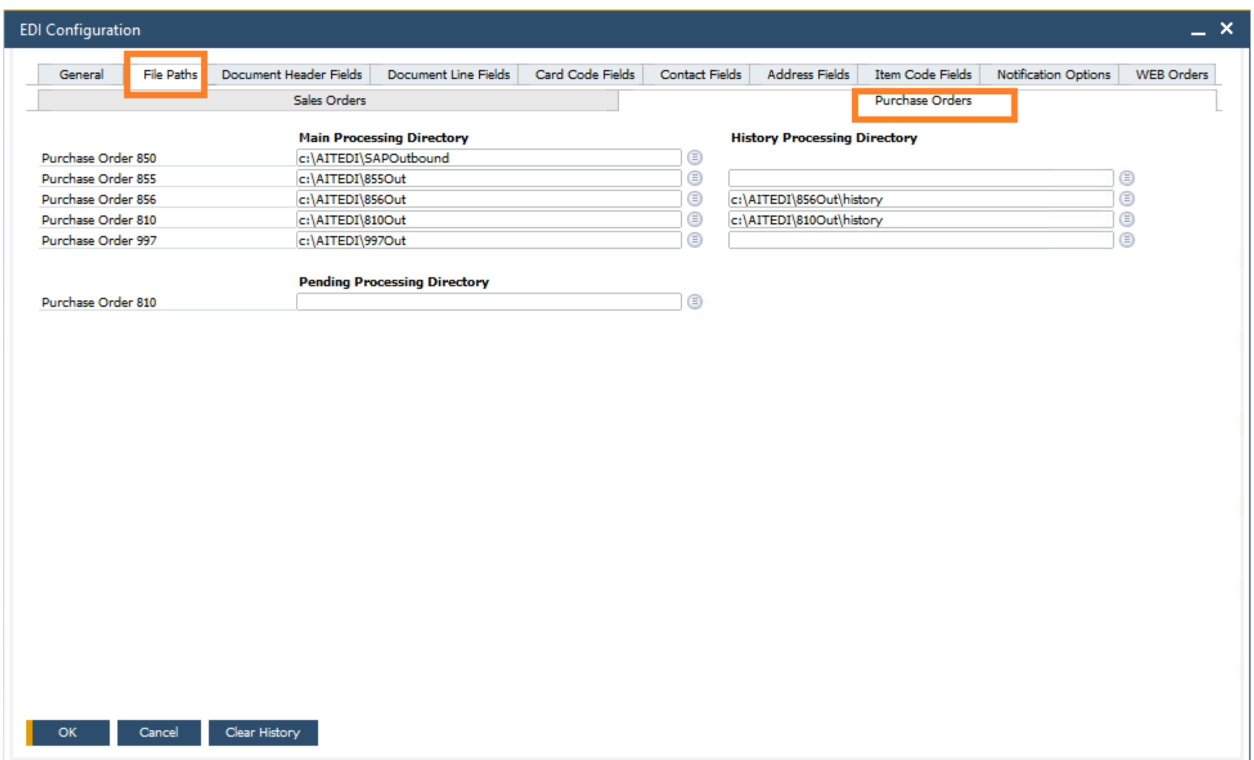
Default Warehouse: This will be the warehouse code assigned to each row of a new EDI order imported if no other rules are setup to assign the warehouse. This will be the warehouse that appears in the Import Sales order 850 screen.

846 safety stock qty (0-100): This setting is used only if you are exporting any 846 transactions to a trading partner. This setting is to provide a margin of error in the available quantity sent to the trading partner. This quantity will be subtracted from the available quantity calculated for every item.

846 avail qty – include On Order: This setting is used only if you are exporting any 846 transactions to a trading partner. If you want to include the On Order quantity for an item in the available quantity calculation, you should turn on this check box. Otherwise, the available quantity would be calculated as the On-hand quantity – committed quantity. The quantity calculations are by warehouse.

File Paths Tab





Main Processing Directory: Each Document Type is shown (850, 855, etc.). This is the windows directory path that will be used to store files transmitted with the EDI communication software. The settings here become the default for each trading partner.

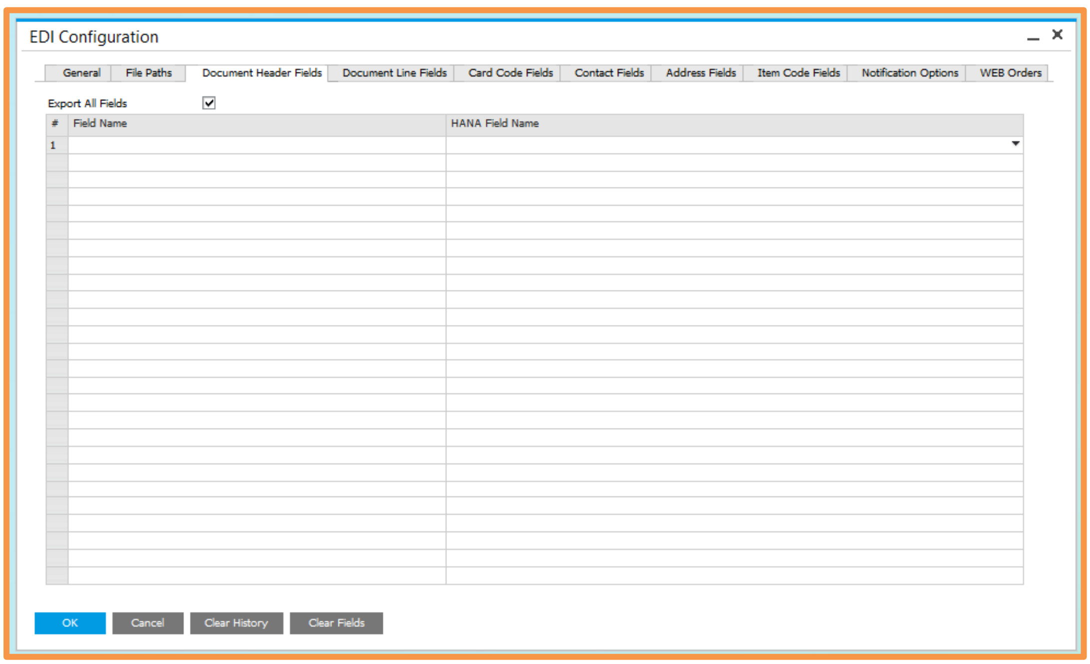
History Processing Directory: Each Document Type is shown (850, 855, etc.). This is the windows directory path that will be used to store files for Documents after they have been processed. The settings here become the default for each trading partner.
It's not necessary for all of the Document Types to have a history directory.

> ***Note:*** *If a directory is not specified for a given Document type then that document type will not appear on the processing menu*.

Field Definition Tabs

The next six tabs of the EDI Configuration are designed to allow you specify which fields from the various documents will be included in the export to the EDI Communications software. All the tabs are identical. They include:

- **Document Header Fields**
- **Document Line Fields**
- **Card Code Fields**
- **Contact Fields**
- **Address Fields**
- **Item Code Fields**



Export All Fields: Check if you wish to export all fields including User Defined Fields (UDF's) from documents when exporting to the EDI Communications Software.

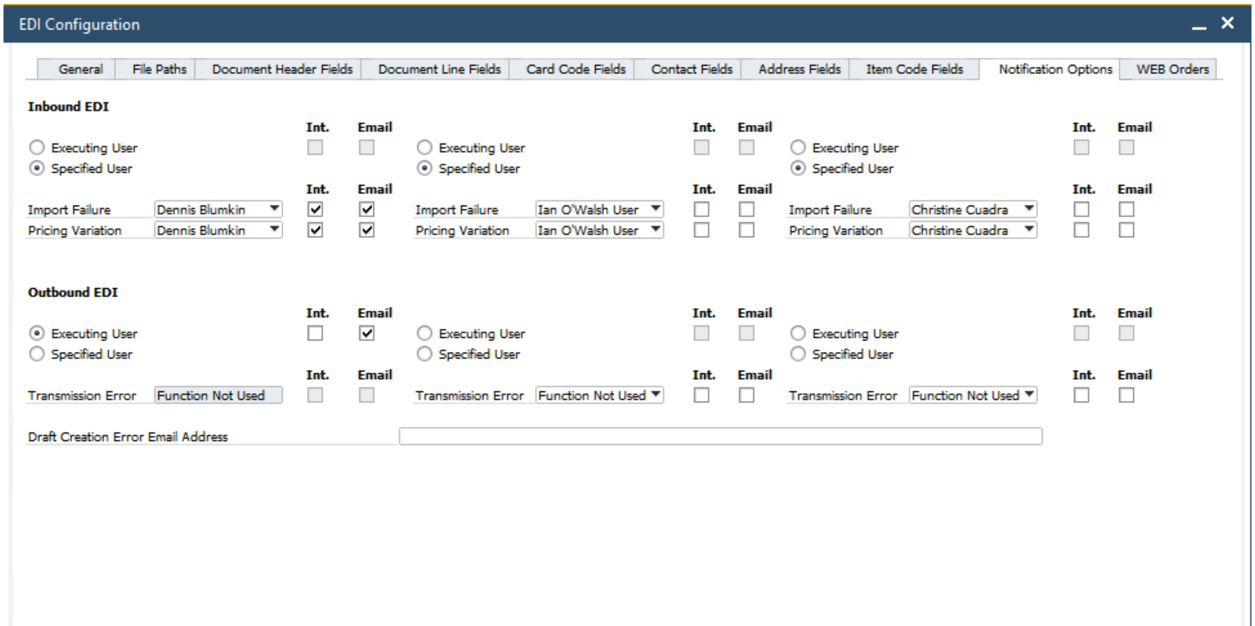
Field Name: Enter the Field Name Label to be included in the XML export.

SQL or HANA Field Name: Select the SQL or HANA (depending on which SAP Business One installation you are running) source for the field to be included in the XML export

Note: *It is not a requirement to complete the field selection if Export all Fields is selected. In a typical implementation the tabs for Document Header Fields, Document Line Fields and Address Fields will have the "Export All Fields" check box selected. All the other tabs will have it switched off.*

Notifications Tab

This tab allows you to determine who should be notified of various events, and how they are to be notified.



Inbound EDI: Setup notification options for Imported EDI transactions (documents created in SAP).

Select one of the following:

- **Executing User: This option indicates that the notifications should go to the signed in user who performs the EDI actions.**

- **Specified User: This option indicates that the notifications should go to the user identified in the dropdown selection.**

Import Failure: This field is used to select a specific user to notify when a file cannot be imported, for example when a Ship-To address is missing.

Pricing Variation: This field is used to select a specific user to notify when the EDI price from the trading partner does not match to the price from SAP Business One's pricing logic.

__Note__: the document will be imported with the SAP Business One pricing logic but the notification will identify both prices.

Int. This checkbox indicates that the notification will be sent to the SAP Business One internal mailbox.

Email: This check box indicates that the notification will be sent to the SBO Mailer for email.

Outbound EDI: Setup notification options for exported (created based on a document in SAP) EDI transactions.

Select one of the following:

- **Executing User: This option indicates that the notifications should go to the signed in user who performs the EDI actions.**

- **Specified User: This option indicates that the notifications should go to the user identified in the dropdown selection.**

Transmission Error: This field is used to select a specific user to notify when a file cannot be exported, for example when a file path is missing or cannot be written to.

__Note__: the transmission error only notifies if the export is not successful out of SAP Business One to the communication software and does not cover if the EDI communication software sends the transaction over the VAN.

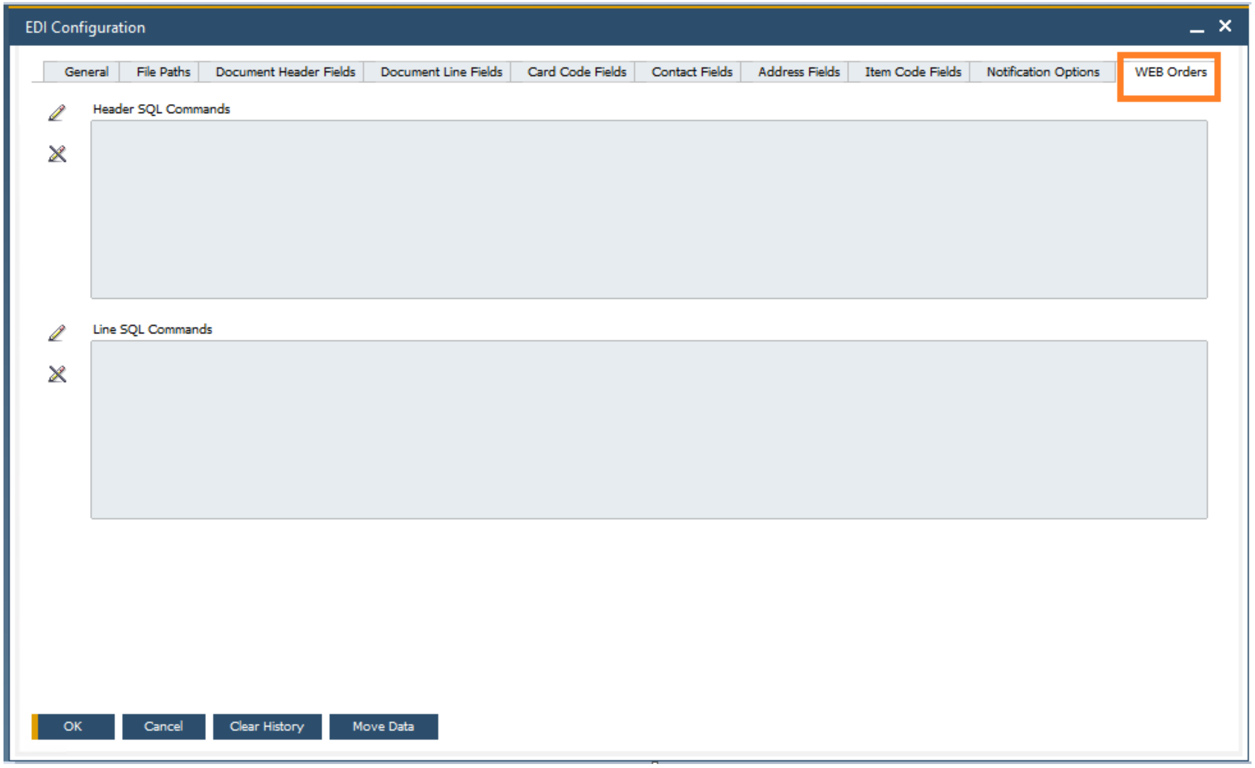
Int. This checkbox indicates that the notification will be sent to the SAP Business One internal mailbox.

Email: This check box indicates that the notification will be sent to the SBO Mailer for email.

Draft Creation Error Email Address: This only needs to be filled in if any trading partner is using “Save 850 as Draft” setting in the Customer EDI Configuration screen. This will be the email address that an email will be sent to if there is an error when creating the 850 draft document.

WEB Orders Tab

This will allow the import of Sales Orders through ***Resolv EDI*** for customers other than established Trading Partners (i.e., any customer).



1. Files present in the “850Out” folder will be evaluated to determine if the Partner field contains a Trading Partner identifier or a Customer Number (Card Code):
    - If the code is a Customer, further evaluation will be done to determine if the Customer also has a Trading Partner configuration. If so, the order will not be processed, and notification will be provided that a “Web Order Detected for an EDI Trading Partner; Order Not Processed.”

2. All Web Orders will be processed in the same manner as the EDI orders with the following exceptions:
    - Ship-to codes will be matched against the Business Partner, not the Trading Partner Configuration
    - Item codes will only be matched against SAP Item code, and not barcode or BP Catalog Number.
    - The WEB SQL or HANA Command window on the EDI Configuration screen will be evaluated and any command present will be executed:
        - A SQL or HANA statement to evaluate the customer for creditworthiness (as currently occurs during SO Entry) will

be created and placed in the field. The statement can also be used to determine which credit manager, based on the BP UDF, should approve.

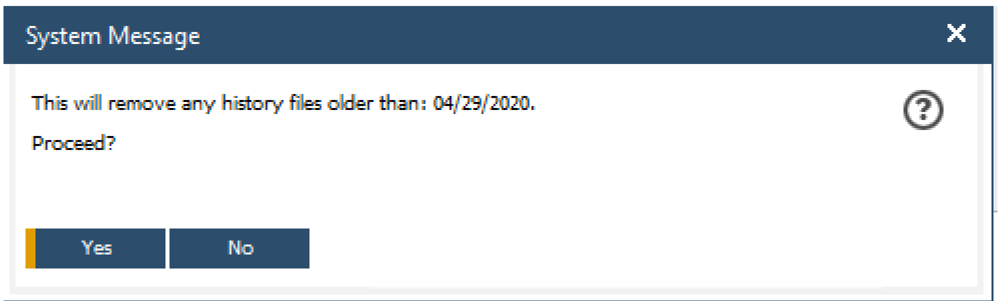
  - The current AR Collection approval process will be used to handle those orders requiring Credit approval.

- Pricing will not be derived from the import file, but rather through standard SAP for the customer/item.

Clear History Button

The “Clear History” button at the bottom of the EDI Configuration screen may be used to remove the records in the various document history folders. All records that are more than one year old will be removed from the system.

After clicking on this button, you will receive this message:



Note*: The date in the message box will always be one year prior to the current date. Select “Yes” to continue. All records in each of the history folders will be permanently removed.*

EDI Export Configuration

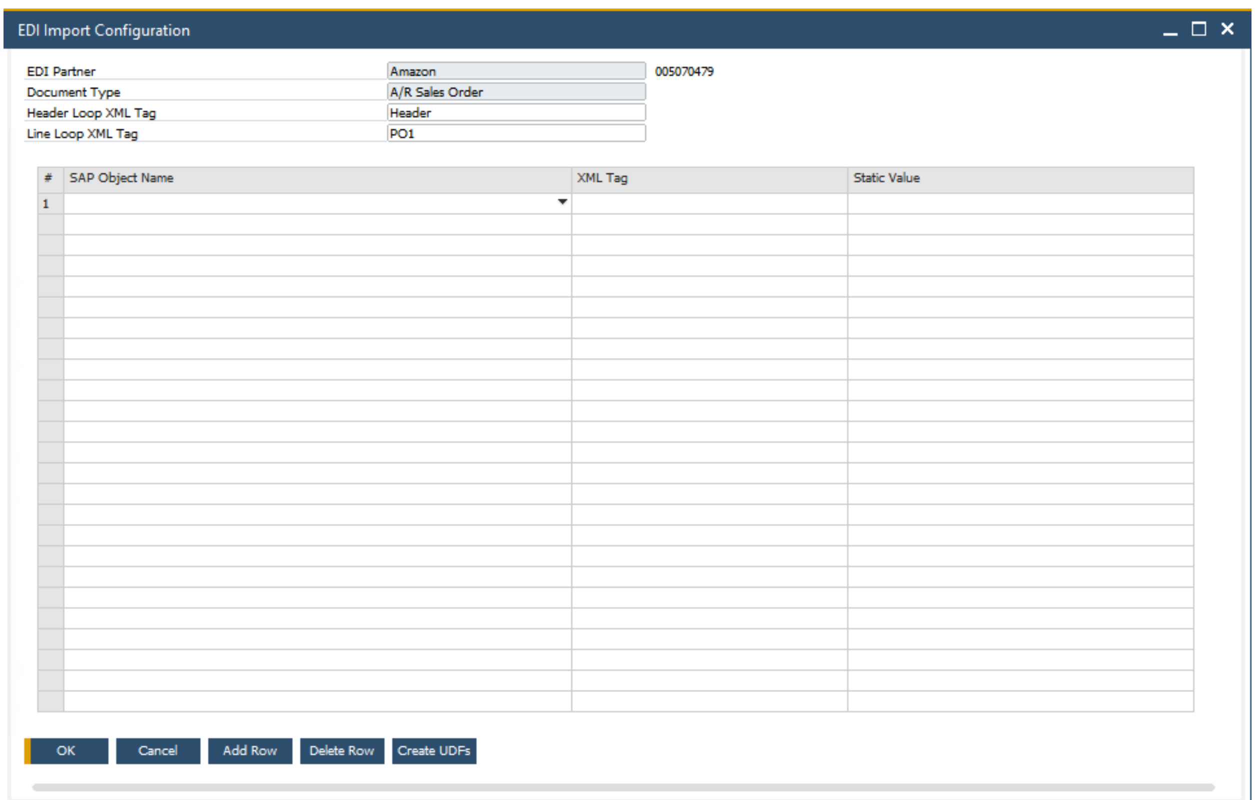
Administration > Resolv Setup> Resolv EDI Control > EDI Export Configuration

This option currently not available

EDI Import Configuration

Administration > Resolv Setup> Resolv EDI Control > EDI Import Configuration

You must setup a record for every trading partner you will be importing EDI transactions for. Typically, you will not need to enter any additional information inside the grid. However, if there is a requirement to import a piece of information from the 850 that is not captured in the base module you can assign the mappings in this screen.
If you wanted to capture a reference number from the trading partner that is not already captured, that could be accomplished here. The trading partners 850 map would be modified to assign the reference number to a new XML tag. That XML tag would then be assigned to a new UDF identified in the SAP Object Name column below.



EDI Partner - Select the partner you want to work with from the pulldown list of trading partners from the Customer Partner Configuration screen.

Document Type - Select the type of document this configuration record will be used for. The available types are:

- **ASN – Purchase Order ASN**
- **810 A/P Invoices**
- **850 A/R Sales Order**

Header Loop XML Tag – This is a free form text field. However, it must match an XML tag in the source XML file that will be used to create the document in SAP. This tag identifies where the header information in the source file begins. This value will typically be “Header”.

Line Loop XML Tag – This is a free form text field. However, it must match an XML tag in the source XML file that will be used to create the document in SAP. This tag identifies where the Line or row information in the source file begins. This value will typically be “PO1”.

SAP Object Name – You must select a SAP field you want to populate with information from the source file. This field can be a standard SAP field or an UDF but the field must already exist in the database.

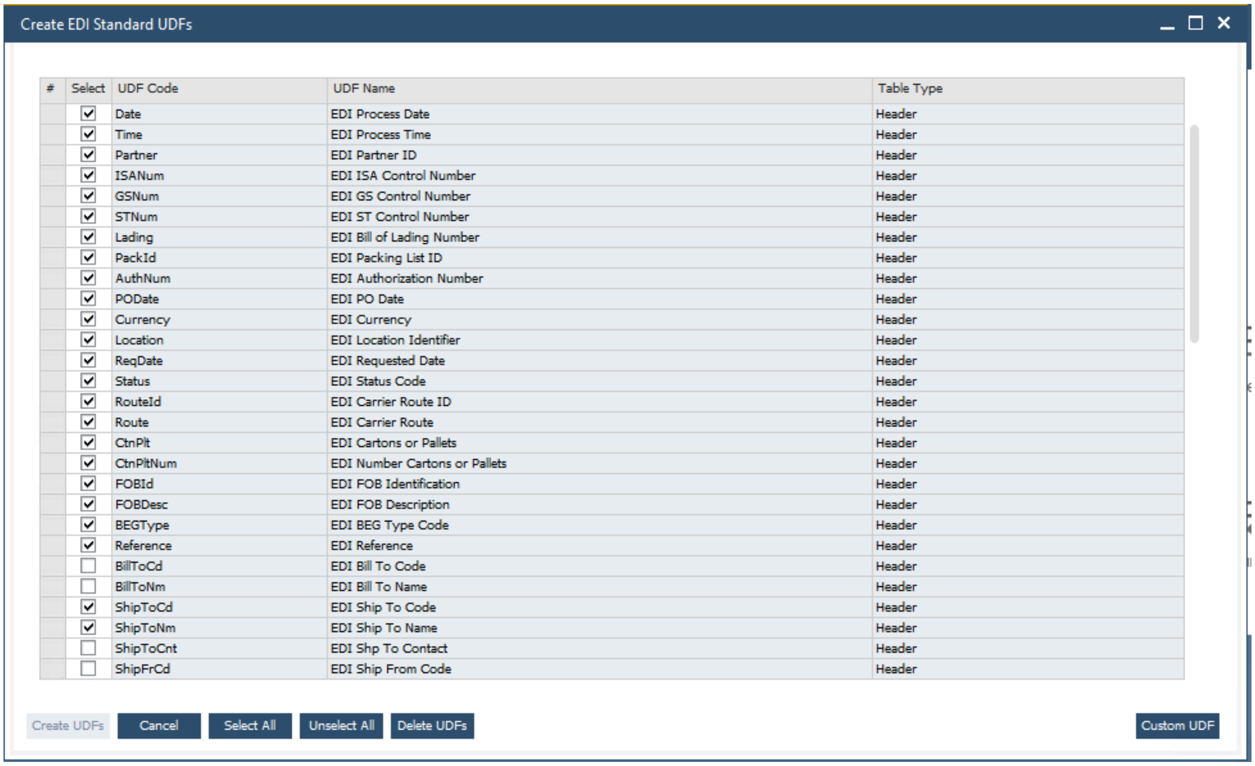
Note: We recommend you map to UDF fields and not to standard SAP fields.

XML Tag – This is the XML Tag that contains the data from the source file that will be used to populate the SAP field in the SAP Object Name column. This field can be left blank but then the Static Value column must be populated. You would never populate both the XML Tag column and the Static Value column.

Static Value – This field is used if you always want to populate the SAP field in the SAP Object Name column with the same value. An example would be you have a UDF at the header level that you always to populate with “EDI” when the order is imported from an EDI transaction. This field can be left blank but then the XML Tag column must be populated. You would never populate both the XML Tag column and the Static Value column.

Create UDFs – This button is used for 2 main reasons:

- Identify UDF’s that are considered global. This means when a new database with the EDI module is created the UDF’s with the Select column checked will automatically be created in that database.
- Provides an option to create a new UDF on all the EDI marketing documents using the button “Custom UDF”.


Create EDI Standard UDFs

#	Select	UDF Code	UDF Name	Table Type
	☑	Date	EDI Process Date	Header
	☑	Time	EDI Process Time	Header
	☑	Partner	EDI Partner ID	Header
	☑	ISANum	EDI ISA Control Number	Header
	☑	GSNum	EDI GS Control Number	Header
	☑	STNum	EDI ST Control Number	Header
	☑	Lading	EDI Bill of Lading Number	Header
	☑	PackId	EDI Packing List ID	Header
	☑	AuthNum	EDI Authorization Number	Header
	☑	PODate	EDI PO Date	Header
	☑	Currency	EDI Currency	Header
	☑	Location	EDI Location Identifier	Header
	☑	ReqDate	EDI Requested Date	Header
	☑	Status	EDI Status Code	Header
	☑	RouteId	EDI Carrier Route ID	Header
	☑	Route	EDI Carrier Route	Header
	☑	CtnPlt	EDI Cartons or Pallets	Header
	☑	CtnPltNum	EDI Number Cartons or Pallets	Header
	☑	FOBId	EDI FOB Identification	Header
	☑	FOBDesc	EDI FOB Description	Header
	☑	BEGType	EDI BEG Type Code	Header
	☑	Reference	EDI Reference	Header
	☐	BillToCd	EDI Bill To Code	Header
	☐	BillToNm	EDI Bill To Name	Header
	☑	ShipToCd	EDI Ship To Code	Header
	☑	ShipToNm	EDI Ship To Name	Header
	☐	ShipToCnt	EDI Shp To Contact	Header
	☐	ShipFrCd	EDI Ship From Code	Header

Create UDFs | Cancel | Select All | Unselect All | Delete UDFs | Custom UDF

EDI Partner License

Administration > Resolv Setup> Resolv EDI Control > EDI Partner License

It is mandatory to have a license assigned to every trading partner you will be exchanging transactions with. The number of licenses should be determined during the sales cycle and the license count installed by the implementation consultant during the configuration setup. If changes are needed to the license count, you should contact the Resolv support team.
The trading partners you will be exchanging transactions with must have the license check box selected to setup all of the configuration screens.

The number of trading partner licenses switched on cannot exceed the total number of licenses assigned to your company.

A display of your total license count and the number of licenses that have been activated will be shown in the bottom right of the screen.


EDI Partner License

	Partner	Type	EDI License
58	TGIF	Customer	☐
59	Target	Customer	☐
60	Target Imports	Customer	☐
61	Tesco	Customer	☐
62	ThermoFisher Canada	Customer	☐
63	ThermoFisher USA	Customer	☐
64	Thomas Scientific	Customer	☐
65	Toro	Vendor	☑
66	Tractor Supply	Customer	☐
67	Tri-ED US	Customer	☐
68	Tri-ED/Anixter CA	Customer	☐
69	True Value	Customer	☐
70	US Foods	Customer	☐
71	VWR	Customer	☐
72	Vallen	Customer	☑
73	Variety	Customer	☐
74	Walmart	Customer	☐
75	Walt Disney World	Customer	☐
76	Wesco	Customer	☐
77	Zoro Tools	Customer	☑

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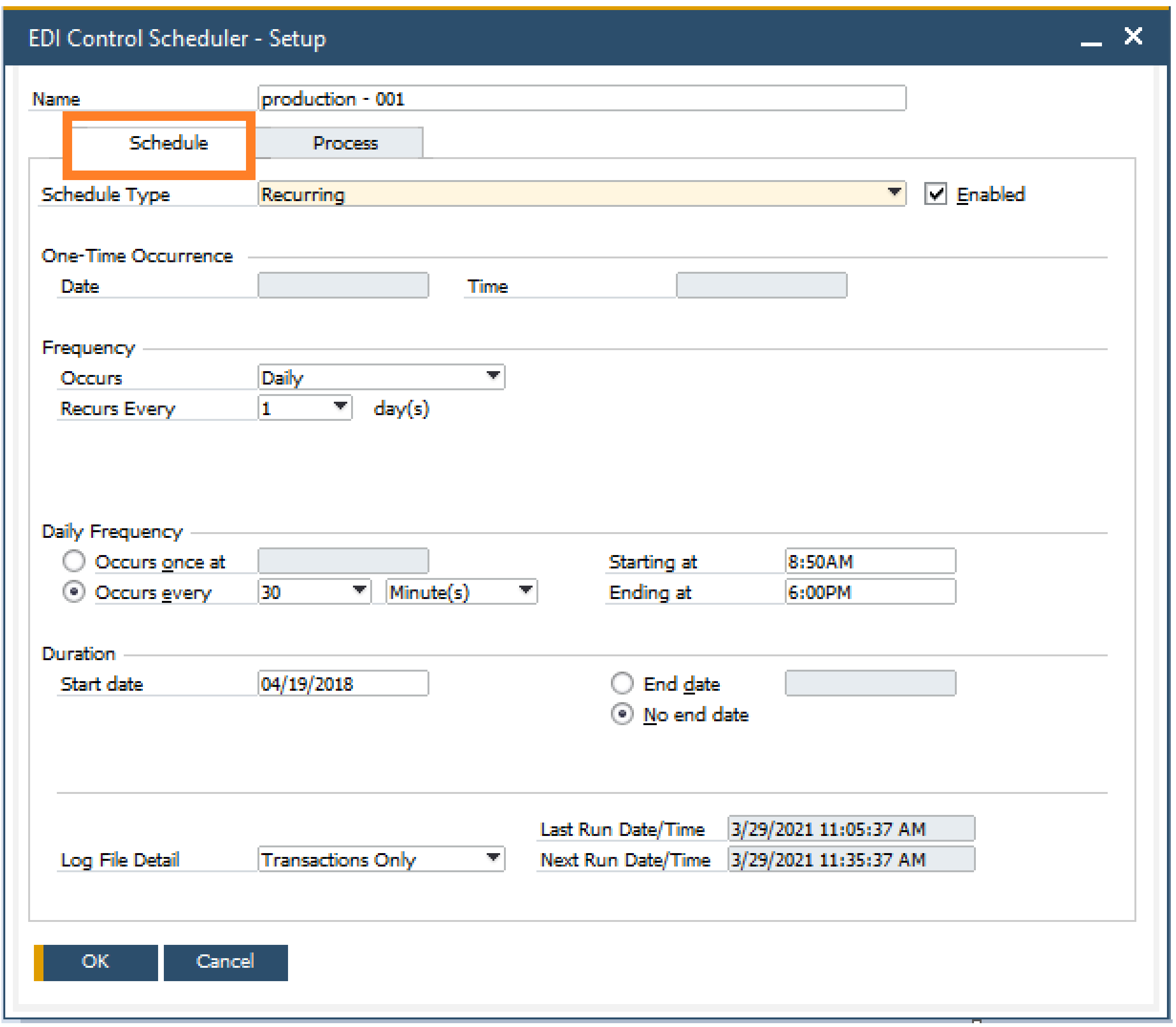
OK Cancel

EDI Service Scheduler

Administration > Resolv Setup> Resolv EDI Control > EDI Service Scheduler

If you are using the Processor in Resolv to automate your EDI transactions, then you will need to setup a scheduler to let the service know how often to run. It does this by utilizing the EDI Service Scheduler, along with the Resolv Processor (see the ***Resolv 10.0 Installation and Setup Guide*** to learn how to set the processor up).

Schedule Tab



Give the scheduler setup a name, then choose the appropriate options for how often you would like the processor to run for EDI and save your options. This will indicate to the Resolv Processor when to execute the EDI Import and Export schedule.

Schedule Type – Select from the pulldown list the type of schedule this will be. The available options are:

- **One-Time – The schedule will only be activated one time using the options described below. This option is not used very often.**
- **Recurring – This option should be selected when you want the processor to fire on a regular basis.**

Enabled – This check box allows you to control if you want this schedule to run based on the options assigned to this schedule. If this check box is not checked then this schedule will not be triggered.

One-Time Occurrence – The options below are only active if the Schedule Type selected is One Time.

- **Date:** The default will be the date the Schedule is created but it can be changed to any valid date.
- **Time:** The default time will be the current time but you can change it to any valid time.

Frequency – The options below are only active if the Schedule Type selected is Recurring.

1. **Occurs: Select one of the following options from the pulldown list:**
    - **Daily**
    - **Weekly**
    - **Monthly**
2. **Recurs Every:** Depending on what option was chosen for Occurs, the choices in the pulldown list will change.

    If Daily chosen you can enter a value between 1 thru 100.

    If Weekly chosen you can select any combination of the days of the week (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday).

    If Monthly chosen you have the following options:

    - **Day –** select the day of the month you want the schedule to activate. Choose a value between 1 and 31.
    - **Of every –** select which months you want the schedule to activate. Choose a value between 1 and 99.

    Or

    - **The –** select which week from the pulldown list you want the schedule you want to activate. The choices are (first, second, third, forth, last).

- **Day of the week –** select which day of the week from the pulldown list. The choices are (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, Day).
- **Of every –** select which months you want the schedule to activate. Choose a value between 1 and 99.

Daily Frequency – The options below are only active if the Schedule Type selected is Recurring.

1. **Occurs once at:** Select a specific time you want the schedule to fire on the days selected from the previous entries. Ex 2:30pm

   Or

2. **Occurs every:** Select the frequency the scheduler should fire from the pulldown list. The range in the list will vary depending on the choice made in the next option. If minute(s) selected the range will be 1 thru 60. If Hour(s) selected the range will be 1 thru 24.

   Starting at: Select the starting time of day you want the scheduler to begin processing.
   Ending at: Select the time of day you want the scheduler to end processing.

Duration – The options below are only active if the Schedule Type selected is Recurring.

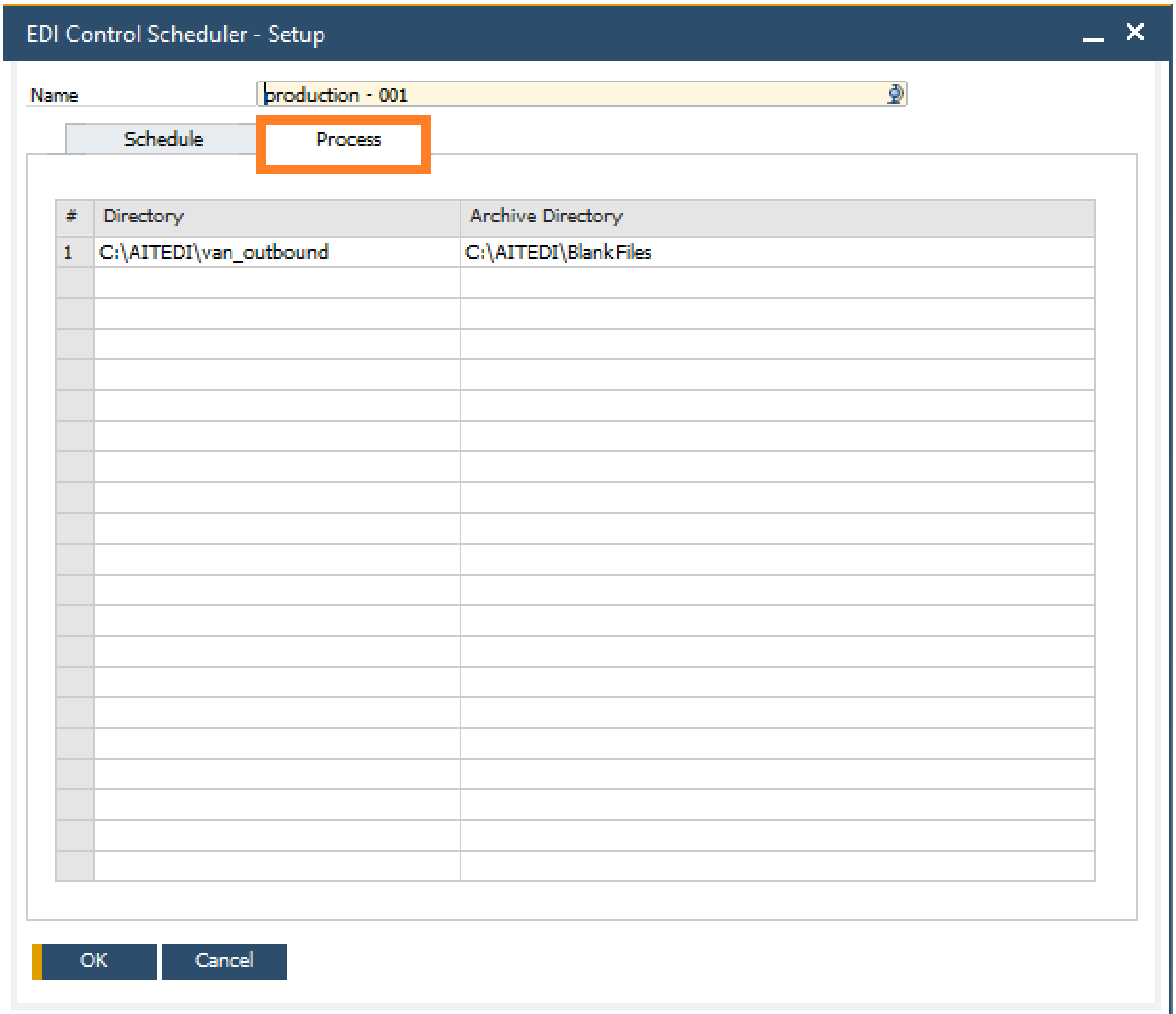
Start date – Select the date you want the scheduler to begin processing. You must enter a date here.

End date – Select the date you want the scheduler to end processing or choose the radio button for No end date.

Log File Detail - You should also choose what level of detail you want write out to the processor log. Your choices are:

- **All (which shows the most detail from the processor run, this is designed mostly for troubleshooting).**
- **Schedule and Transactions (which will show entries in the log each time the processor runs whether there are transactions or not).**
- **Transactions Only (which will only show entries in the log when it has something to process). This is recommended choice.**

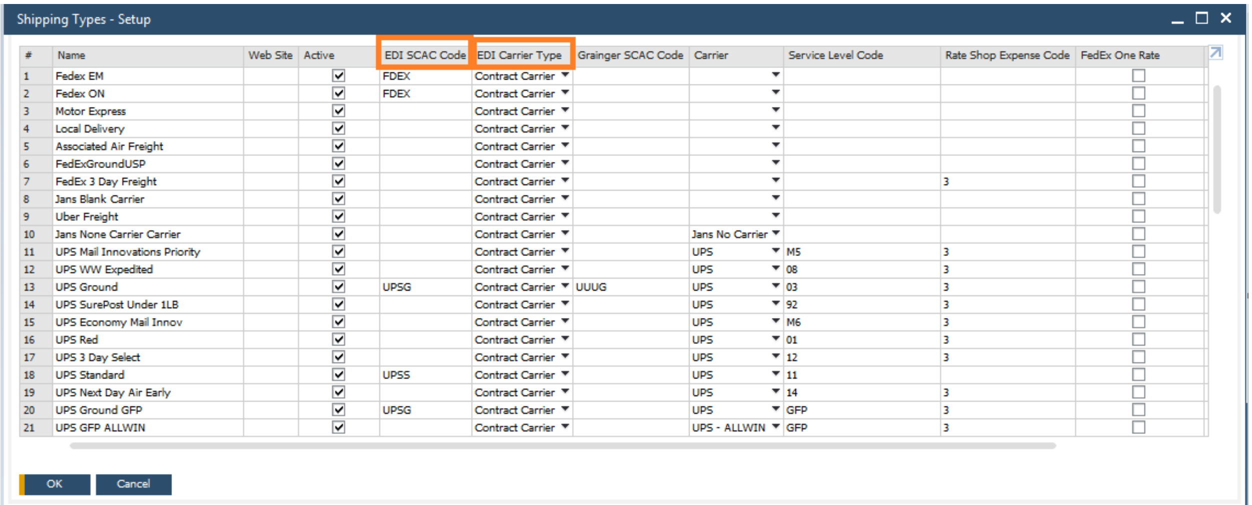
Process Tab



This tab is used to check for blank files (0 bytes) in the outbound folder. This folder contains the files that will be transmitted to the trading partner. Typically, this folder will be the van_outbound folder. If any blank files are found they will be moved to the folder in the archive directory column before they are transmitted.

Shipping Types: SCAC codes

Administration > Setup > Inventory > Shipping Types – Setup


Shipping Types - Setup

#	Name	Web Site	Active	EDI SCAC Code	EDI Carrier Type	Grainger SCAC Code	Carrier	Service Level Code	Rate Shop Expense Code	FedEx One Rate
1	Fedex EM		☑	FDEX	Contract Carrier					☐
2	Fedex ON		☑	FDEX	Contract Carrier					☐
3	Motor Express		☑		Contract Carrier					☐
4	Local Delivery		☑		Contract Carrier					☐
5	Associated Air Freight		☑		Contract Carrier					☐
6	FedExGroundUSP		☑		Contract Carrier					☐
7	FedEx 3 Day Freight		☑		Contract Carrier				3	☐
8	Jans Blank Carrier		☑		Contract Carrier					☐
9	Uber Freight		☑		Contract Carrier					☐
10	Jans None Carrier Carrier		☑		Contract Carrier		Jans No Carrier			☐
11	UPS Mail Innovations Priority		☑		Contract Carrier		UPS	M5	3	☐
12	UPS WW Expedited		☑		Contract Carrier		UPS	08	3	☐
13	UPS Ground		☑	UPSG	Contract Carrier	UUUG	UPS	03	3	☐
14	UPS SurePost Under 1LB		☑		Contract Carrier		UPS	92	3	☐
15	UPS Economy Mail Innov		☑		Contract Carrier		UPS	M6	3	☐
16	UPS Red		☑		Contract Carrier		UPS	01	3	☐
17	UPS 3 Day Select		☑		Contract Carrier		UPS	12	3	☐
18	UPS Standard		☑	UPSS	Contract Carrier		UPS	11		☐
19	UPS Next Day Air Early		☑		Contract Carrier		UPS	14	3	☐
20	UPS Ground GFP		☑	UPSG	Contract Carrier		UPS	GFP	3	☐
21	UPS GFP ALLWIN		☑		Contract Carrier		UPS - ALLWIN	GFP	3	☐

OK Cancel

EDI SCAC Code: This field allows for each shipping type to be translated to a Standard Carrier Alpha Code (SCAC code) for use in the EDI documents.

Note: The Standard Carrier Alpha Code (SCAC) is a unique two-to-four-letter code used to identify transportation companies. Carrier SCAC codes are assigned and maintained by the NMFTA (National Motor Freight Association).

You only need to populate the SCAC code for the shipping types you will be using for your EDI trading partners that require the SCAC code.

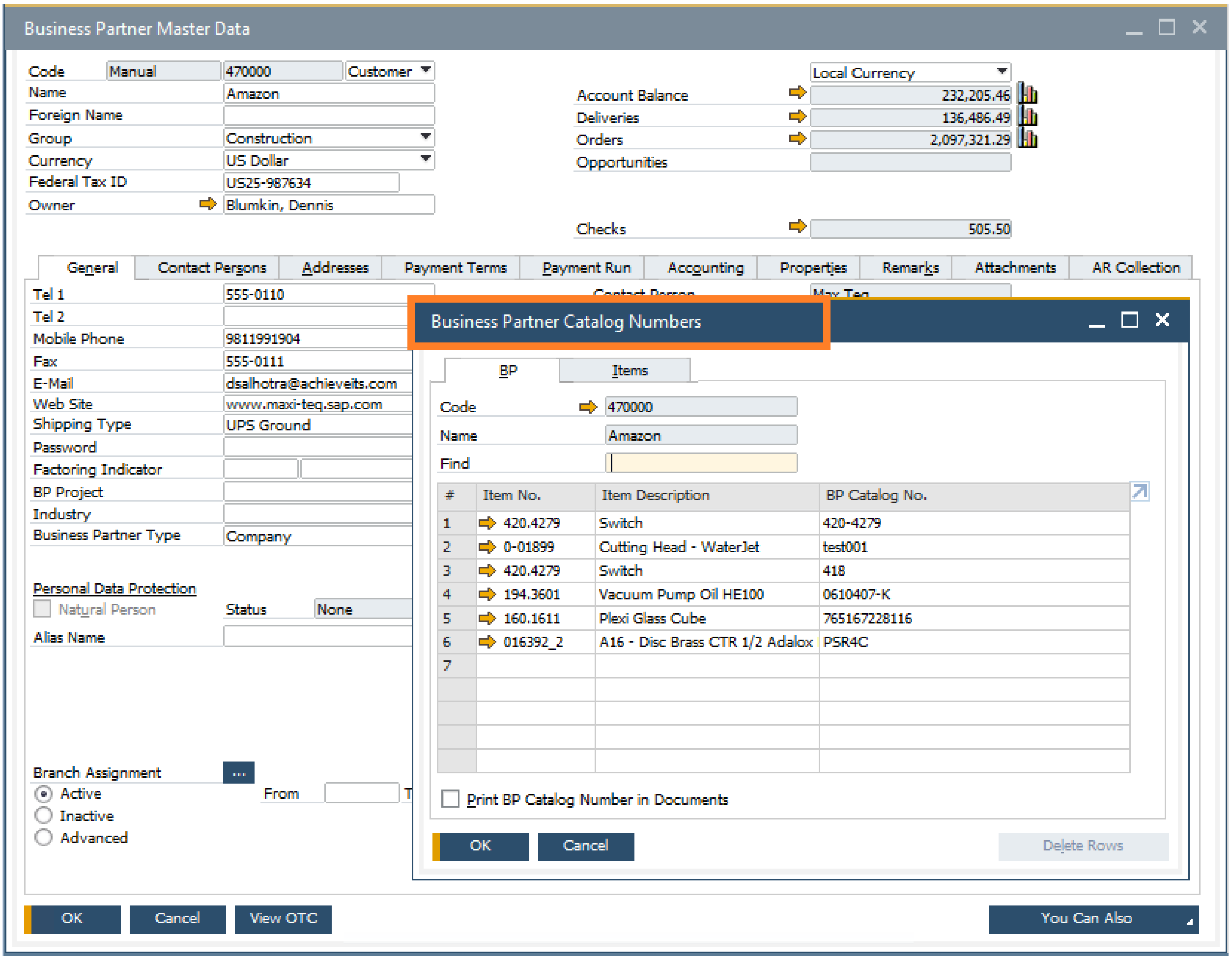
EDI Carrier Type: In this field, select the carrier type for each shipping type. The choices are:

- **Contract Carrier**
- **Private Parcel Service**
- **Motor**
- **Private Carrier**
- **Customer Pick Up**

***Note**: If you are using **Resolv Freight Control**, there will be additional fields on this screen.*

Business Partner Catalog Numbers

Inventory > Item Management > Business Partner Catalog Numbers



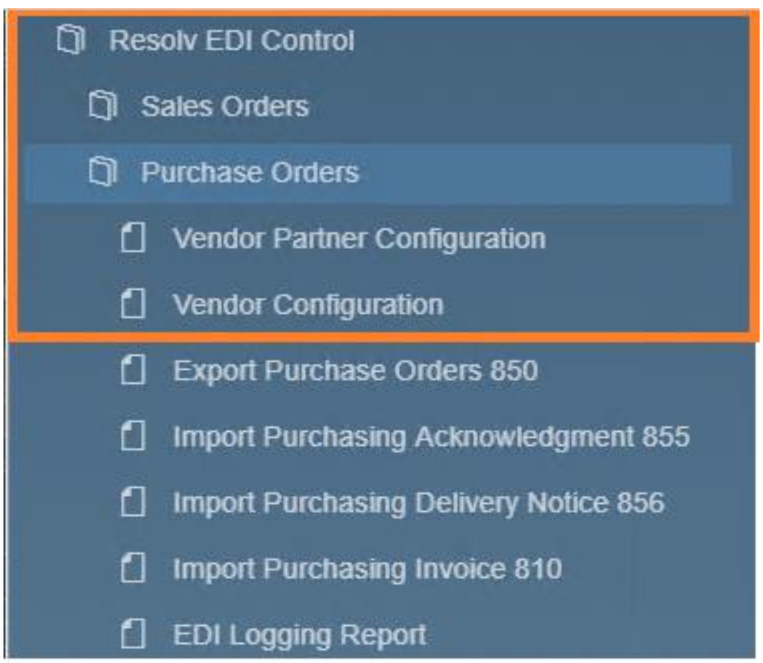
BP Catalog No: A trading partner might use different item codes than the Item Master's item code. To account for this event, ***Resolv EDI Control*** utilizes the SAP Business One standard feature set for Business Partner Catalog numbers and will look for a match in the BP Catalog No. field.

Note*: You may use the BP tab to enter a Business Partner and then a list of items or use the Items tab to enter an item code and then a list of Business Partners. In either case, you will enter the Business Partner's code for the item which exists in the Business One Item Master.*

Trading Partner Setups

When performing EDI transactions, it is necessary to have data relating to the company with whom you are doing business – your trading partner. The trading partner may be either a customer or a vendor, depending on the type of transactions you will be using. It is required that the trading partner be entered in the Business Partner Master before being configured as a trading partner.

The ***Resolv EDI Control*** menu provides four setup programs for trading partners, two for customers and two for vendors. The customer and vendor screens are identical; only the transaction types are different, depending on whether they deal with sales or purchasing documents.



Customer Partner Configuration

Resolv > Resolv EDI Control > Sales Orders > Customer Partner Configuration

This screen contains a list of the customers who are trading partners. It establishes the relationship between the trading partner identification and the Business Partner record in the system.

Customer Partner Configuration

#	Master Partner	Partner	Store ID	Customer Code
1	Zoro Tools	054677679Q		C101
2	Home Depot	Home Depot1	1001	C30000
3	Home Depot	Home Depot1	1002	EBC
4	Home Depot	Home Depot		C40000
5	Zoro Tools	005070479		470000
6	Zoro Tools	test-052516		C954000
7	Zoro Tools	005103494		470010
8	Zoro Tools	THE3PLEDI_ID		C101
9	Zoro Tools	9086880888		480000
10	Zoro Tools	023271463		480000
11	CVS	CVSD		480010
12	Zoro Tools	9253070000		480020
13	Zoro Tools	8003473765		480030
14	Zoro Tools	006928311		C101
15	Walmart	WALMART		C80000
16	Zoro Tools	043073964		480010
17	Cardinal Health	943561654		C00090
18	Amazon	AMAZON		470000
19	Zoro Tools	ZOROTOOLSINC		11150

Master Partner: This field contains the Partner ID license that will be assigned to the trading partner. Every trading partner must be assigned to a Master Partner.

Partner: This field contains the ID code for the trading partner as it will be received in the EDI transmissions.

Store ID: This field is only needed in the case where a trading partner is identified with more than one Business Partner. For example, certain locations may be associated with one customer code, while other locations may be associated with a different customer code. In this case, enter the location ID code in this field. Note that the store ID must relate to a ship-to address for the Business Partner. In the example above, trading partner Home Depot on line 2 is associated with customer C30000, while trading partner Home Depot on line 3 is associated with customer EBC – but only when the ship-to address is designated as store ID 1002. If there were multiple ship-to's for C30000, then it would be necessary to enter each one as a separate store ID; all other ship-to's would be included in the line (row 8) that does not have a store ID.

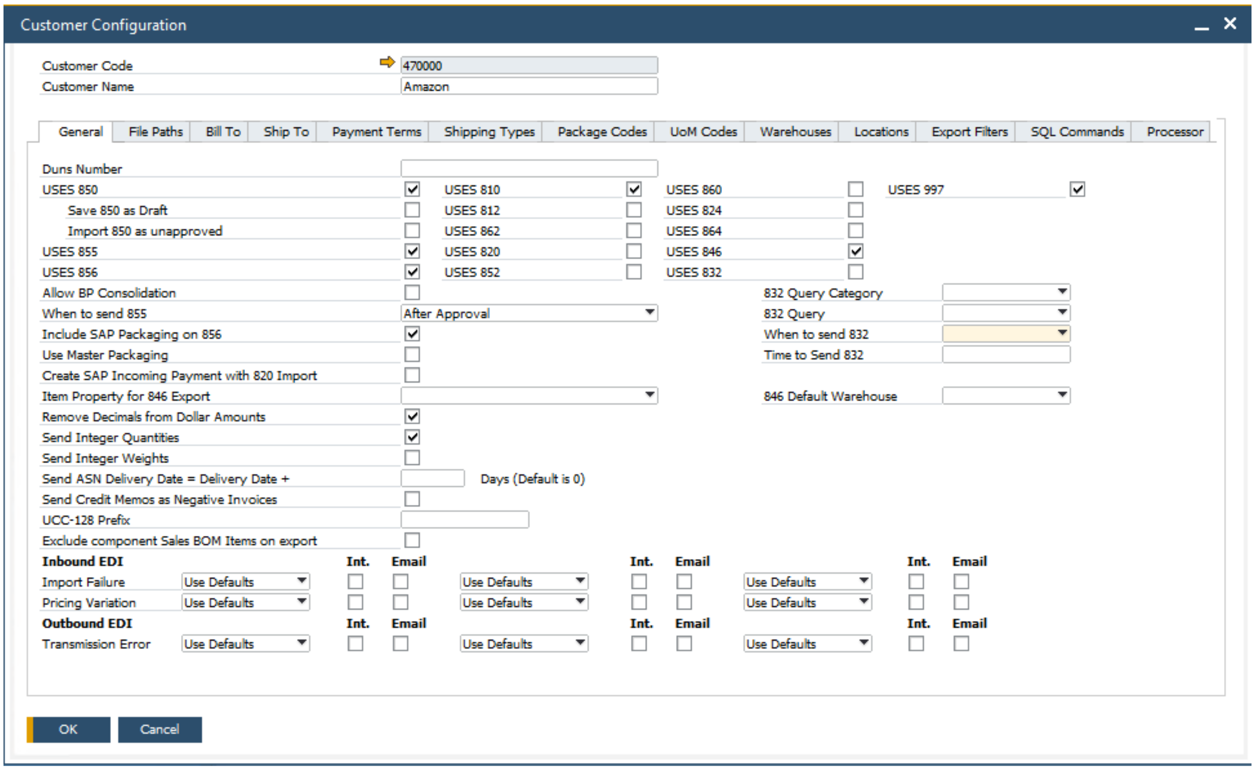
Customer Code: Enter the relevant customer code in this field.

Customer Configuration

Resolv > Resolv EDI Control > Sales Orders > Customer Configuration

For each EDI trading partner, you will need to configure an EDI Customer Configuration record. This will allow the specifics for the trading partner to be identified, and any deviations from the defaults can be configured.

General Tab



In the header, enter either the customer code or the customer name; the alternate field will be filled in automatically.

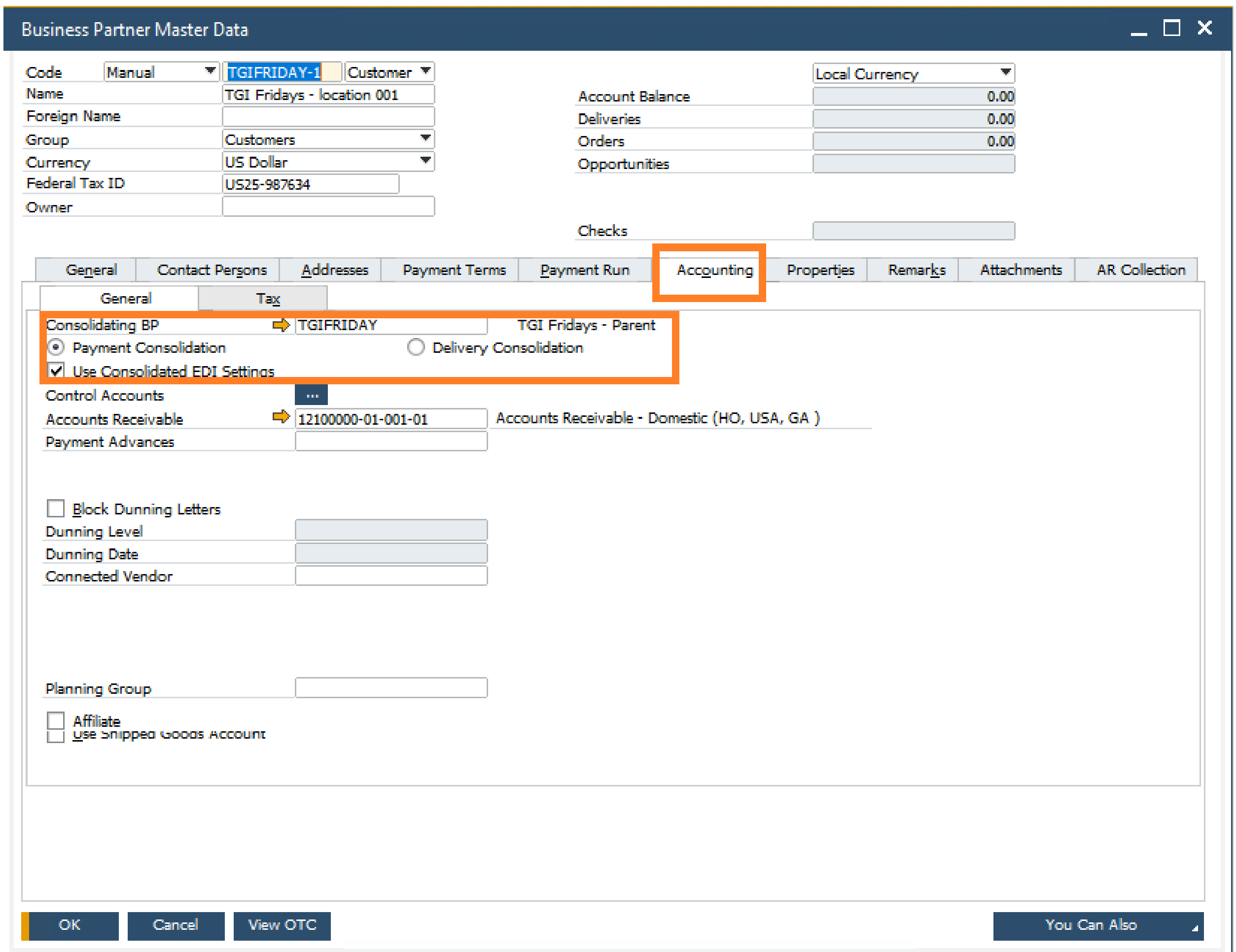
DUNS Number: This field is intended to store the Trading Partner's Dunn & Bradstreet DUNS number. This field is for information only, and it is optional.

USES ###: (i.e. "USES 850"). This set of checkboxes will appear for each document type setup in the configuration defaults. Check the document types that are required for this trading partner.

Save 850 as Draft: select this check box if you want new EDI orders to be created as drafts instead of actual sales orders.

Import 850 as unapproved: select this check box if you want all new EDI orders for this trading partner to be set to a status of unapproved.

Allow BP Consolidation:
This option could be used if the ship-to codes for an EDI trading partner are setup as separate Business Partners and you want all the ship-to's to be processed under the Parent trading partner. The screen shot below is how a ship-to business partner would be setup. The Parent Business Partner is the only trading partner that would be setup in the EDI Customer Partner Configuration screen and the **Allow BP Consolidation** check box would be turned on.
All of the business partners that have the **Use Consolidated EDI Settings** turned on will be able to export EDI transactions using the mappings from the Parent BP.

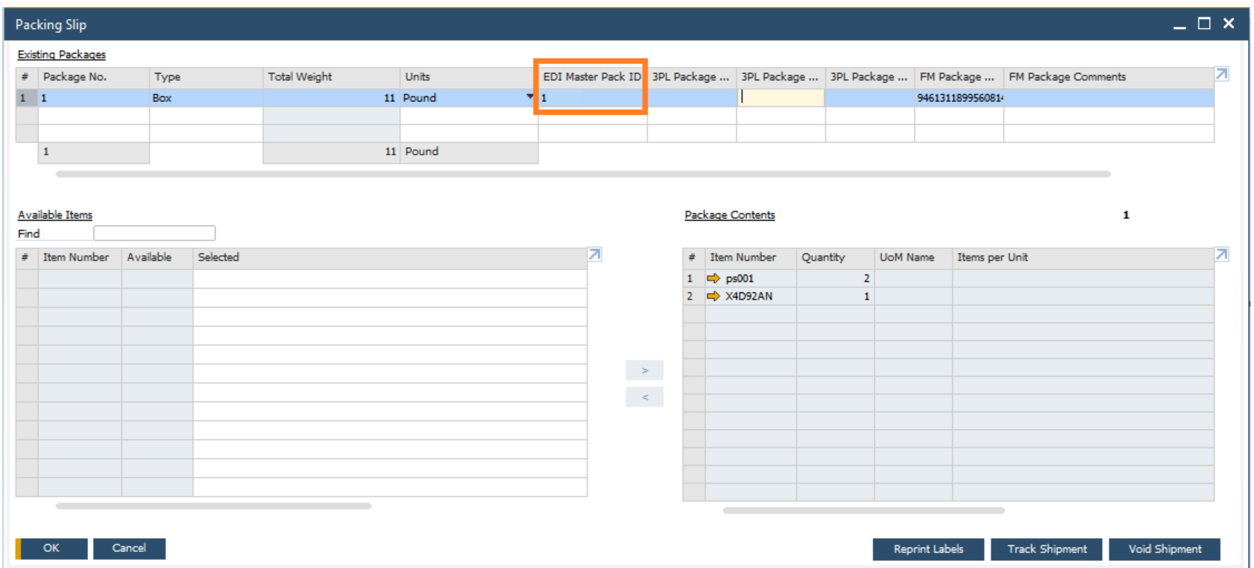


When to send 855: This field determines when the system can send an 855 back to the trading partner, and is based on the requirements from the trading partner. The choices are:

- After Approval
- After Pick List – Shipping Lines
- Manually from Menu
- After Pick List – Unavailable Lines

Include SAP Packaging on 856: Check this box when the Trading Partner requires packaging information on the 856. The data exported from SAP will include the standard SAP Package table information (DLN7 & DLN8).

Use Master Packaging:
This option allows ASN packaging data to be grouped into a different sequence based upon the EDI Master Pack.



Create SAP Incoming Payment with 820 Import: Check this box when you want to create a standard SAP Incoming payment document from the 820 transaction.

Item Property for 846 Export: This setting is only used when you are sending 846 EDI documents to the trading partner. To determine which items to send to the trading partner you need to identify which item property will be used for this purpose. Only items with this property turned on will be eligible to be transmitted on the 846.

846 Default Warehouse: This setting is only used when you are sending 846 EDI documents to the trading partner. This will be the default warehouse used for the inventory calculations on the 846. You can override the warehouse when you select the 846 processing from the menu.

Remove Decimals from Dollar Amounts: Check this box when the Trading Partner requires whole dollar amounts. (i.e. 100.00 will be sent as 10000).

Send Integer Quantities: Check this box when the trading partner requires Integer values for Quantity (i.e. no fractional quantities).

Send Integer Weights: Check this box when the trading partner requires Integer values for Weight (i.e. no fractional quantities).

Send ASN Delivery Date = Delivery Date +: Enter number of days to add to the delivery date when populating the delivery date on the ASN.

Send Credit Memos as Negative Invoices: Send a credit memo as an EDI invoice document (810).

Use UCC-18 Prefix: Check this box if you will be using the UCC-18 prefix on cartons – Used for ASN's. Each carton shipped would have a UCC# which consists of this prefix and the carton number entered in the SAP packaging screen.

Exclude component Sales BOM Items on export: This check box is only used if you are processing BOM items through EDI. When selected, this option will only export from SAP, parent items on outbound transactions (ie 855,810, 856 etc).

832 Query Category: This selection is only used if you are generating an 832 transaction to be sent to the trading partner. You can select the SAP query category from the pulldown section under which the query you will be using to generate the data will be found.

832 Query: This selection is only used if you are generating an 832 transaction to be sent to the trading partner. You can select the SAP query from the pulldown menu you will be using to generate the data you will be exporting.

When to send 832: This selection is only used if you are generating an 832 transaction to be sent to the trading partner. You can select the frequency you want to run this query from the pulldown menu. The choices are:

- **D – Daily**
- **W – Weekly**
- **M - Monthly**

Time to send 832: This selection is only used if you are generating an 832 transaction to be sent to the trading partner. You can select the time you want to run this query.

Notifications – indicate whether to send the following notifications. You can specify up to 3 different users to be notified.

For each option you can also specify how you want the user to be notified. The options available are:

- **Int: - this is used if you want to send an internal SAP alert to the user.**
- **Email – this is used to send an email to the user. The email address from the users set will be used.**

  Note – you can use both options for a user.

Inbound EDI

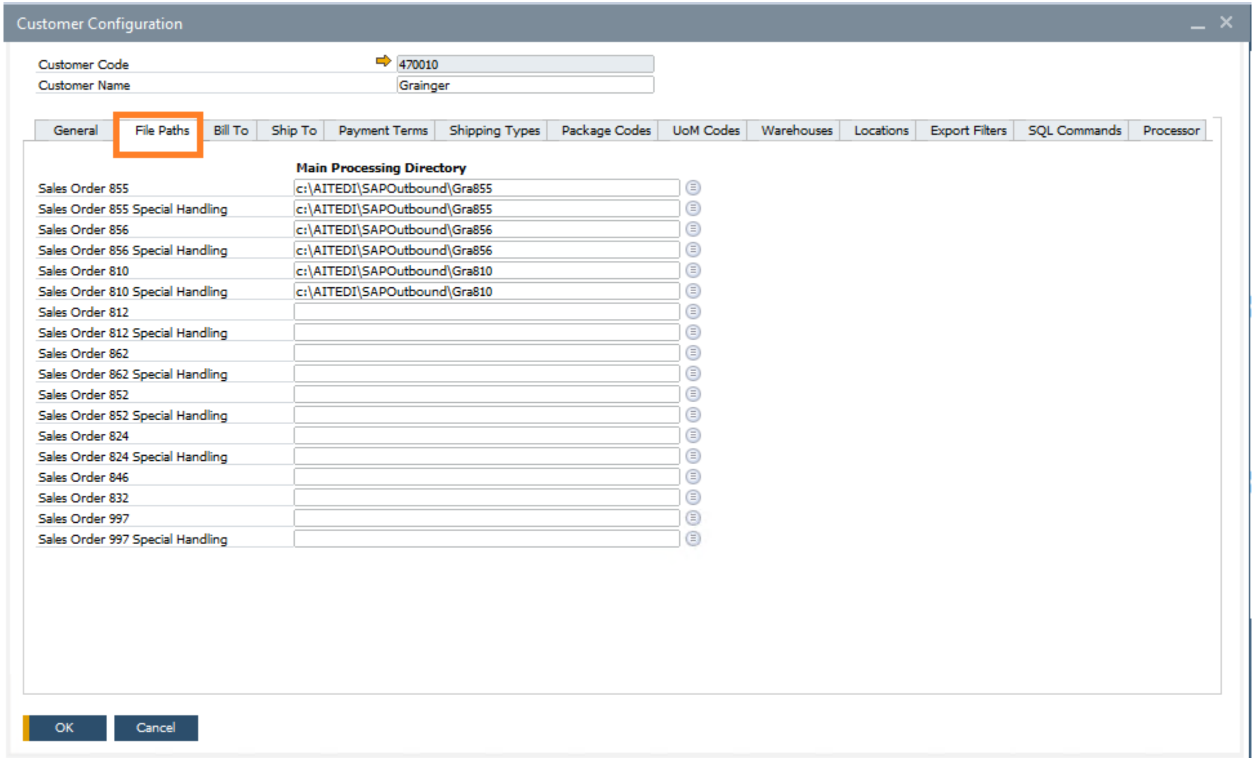
Import Failure: This notification is used if the system cannot create a document and will include information about the error.

Pricing Variation: This notification is used if the system will create a document, but the SAP pricing rules produced different pricing than what was transmitted by the trading partner.

Outbound EDI

Transmission Error: This notification is used if the System is not able to submit a document to the EDI processor.

File Paths Tab

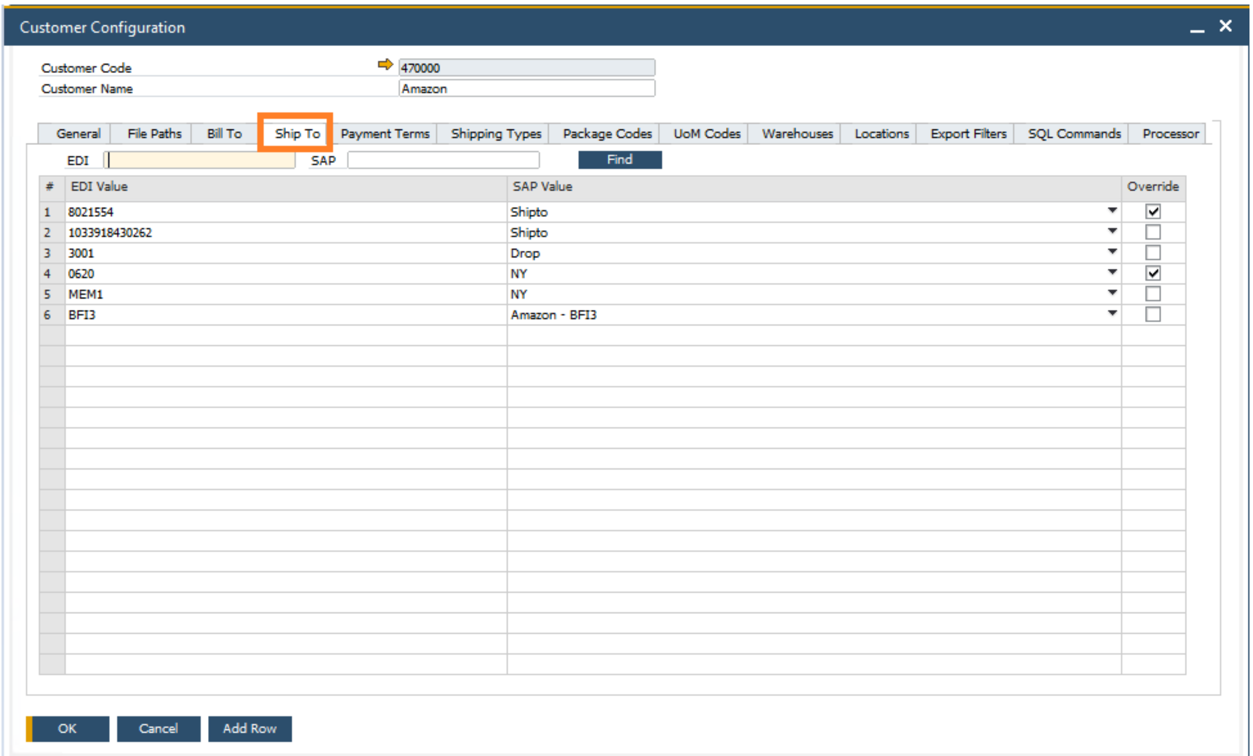


This tab will display the file paths where the trading partner's current documents will be stored when they are exported from SAP. Data in these folders will be stored in an XML format. The Special Handling paths are typically used for direct shipment processing where different formats may be required along with different maps. If a different format is not required for any of the outbound documents being utilized, it's recommended the Special Handling path be the same as the standard path.

Data Mapping Tabs

The next seven tabs allow you to define trading partner specific data mappings if the transmitted data does not match the SAP Business One configurations. For example, the SAP Business One Ship-To address code often is more descriptive than the Ship-To code transmitted by the trading partner, or it may use a different numeric sequence.

Enter information as needed for Bill To, Ship To, Payment Terms, Shipping Types, Package Codes, UoM Codes, and Locations.



To add a new row, choose the “Add row” button at the bottom of the screen.

To delete a row, highlight the row you want to delete, right-click and select the “Delete Row” choice.

There are 2 ways to quickly search through the data in this screen

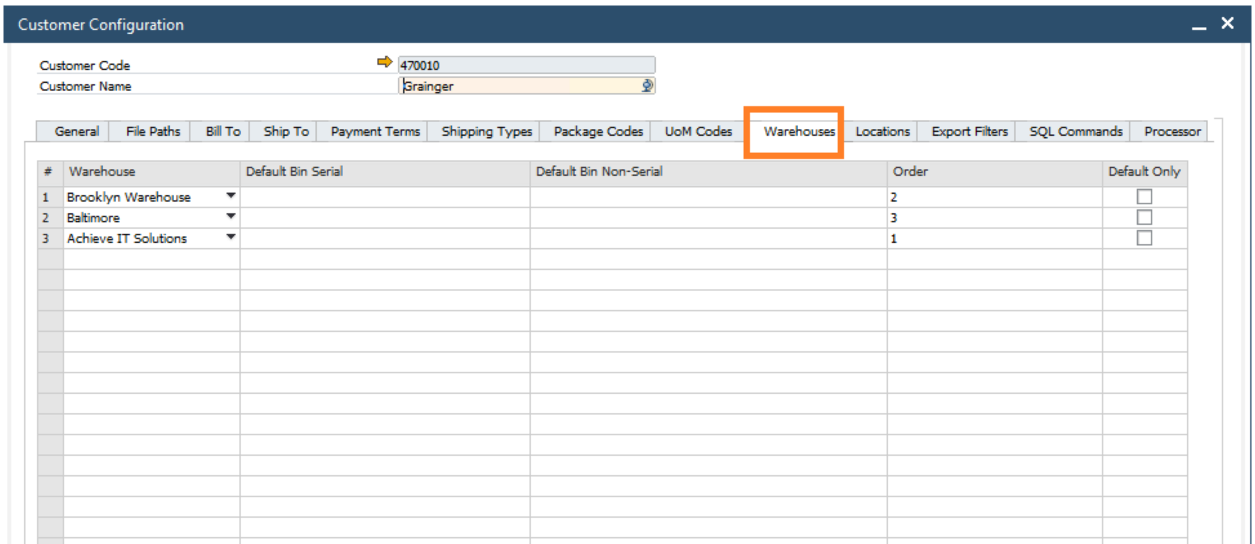
- EDI – you can search through data in the EDI Value column. Enter your search data then choose the “Find” button on the right.
- SAP - you can search through data in the SAP Value column. Enter your search data then choose the “Find” button on the right.

EDI Value: This field is where you enter the data as it comes in via the Trading Partner.

SAP Value: This field is where you select the matching SAP data value for the EDI Value. You can match more than one EDI value to the same SAP value.

Override: This field when selected will force the shipto address to always use what is found in the BP master file and not what is sent on the inbound 850.

<u>Warehouses Tab</u>



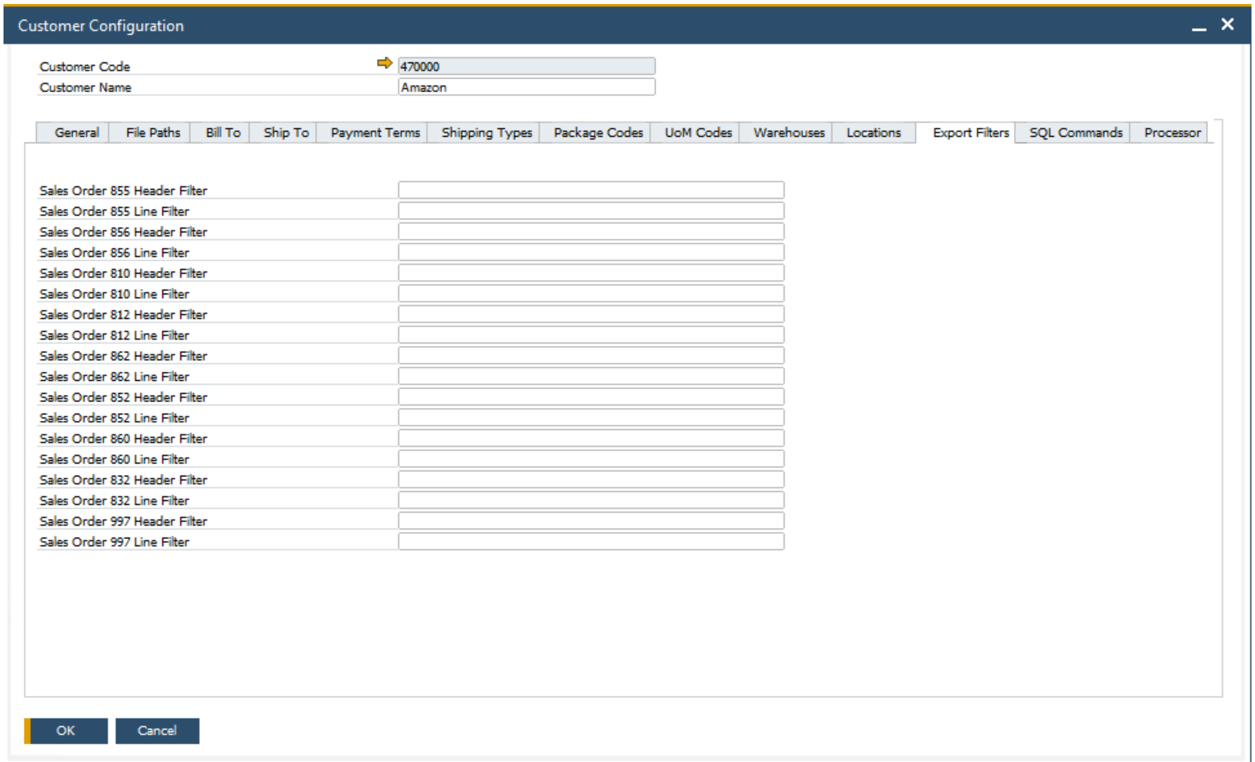
You can determine the order that the import will check warehouses to assign to the row on the sales order. This does not need to be setup.

Warehouse: This field is where you enter the warehouse that will be checked when creating new EDI orders.

Order: When multiple warehouses are selected you can assign the sequence that the warehouses will be checked for item availability.

Default Only: If this option is selected then this warehouse will only be used if it is designated the default warehouse for the item being processed.

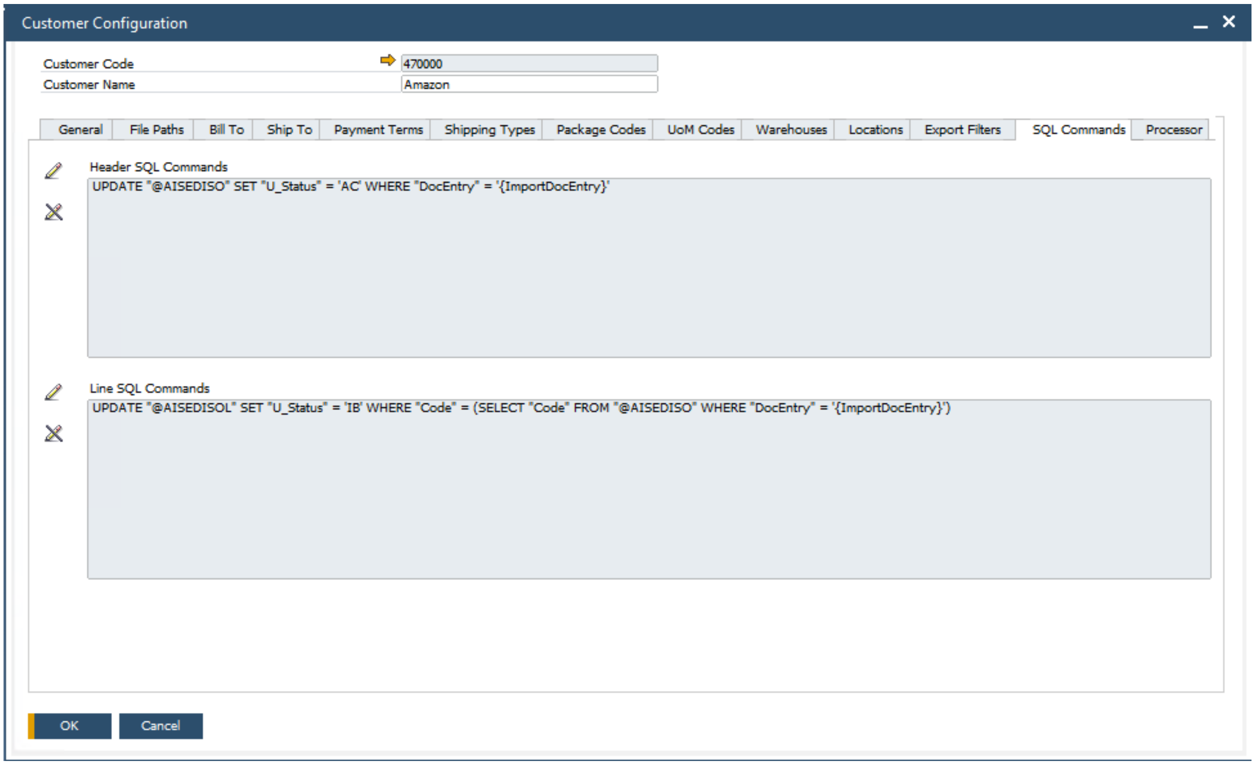
Export Filters Tab



This tab allows additional filters to be applied to the document that the HANA command is associated with. You can add a filter to skip processing of sales tax line items on the 810 line Filter.

SQL or HANA Commands Tab

This tab allows you to use SQL or HANA commands during the order import to automatically populate fields specific to this trading partners requirements.

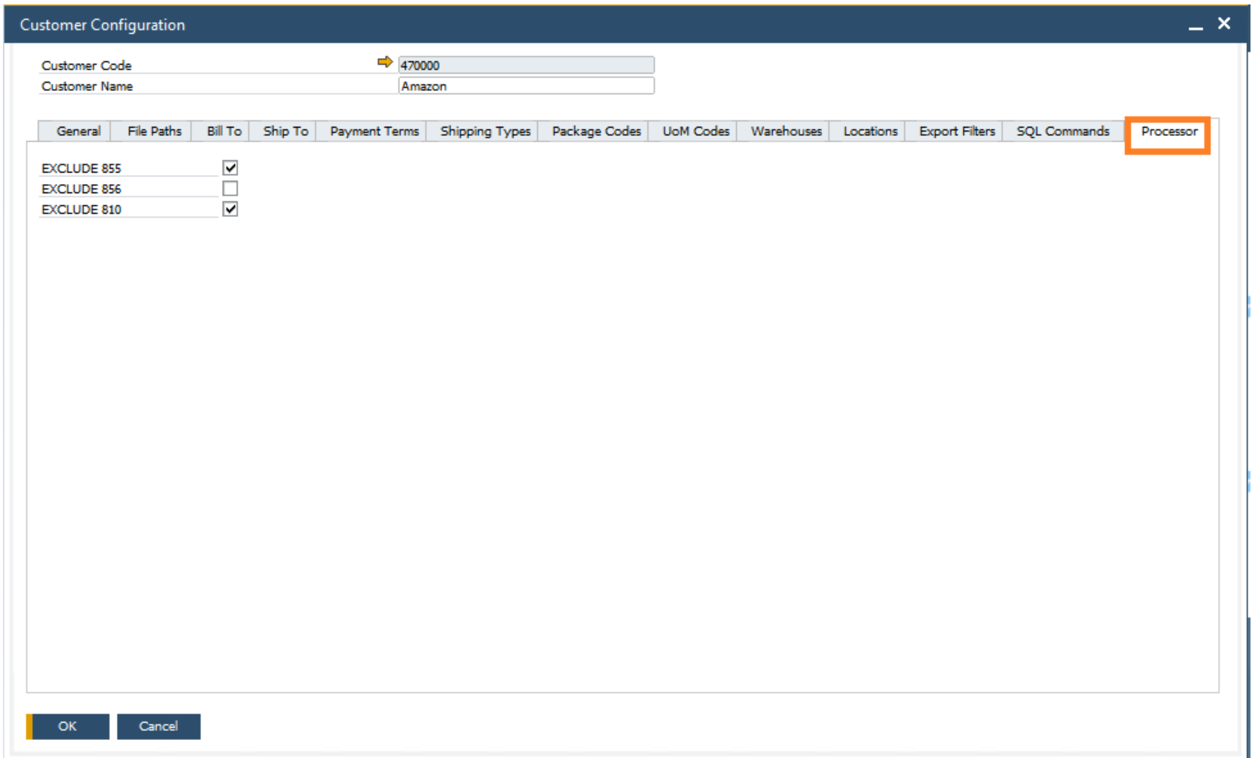


To enter a command, click on the pencil icon to the left of the field, then type in the field. When the entry is complete, click on the crossed-pencil icon to close the field.

Use the upper field for SQL or HANA commands relating to the document header, and the lower field for commands relating to document rows. You may enter up to 64,000 characters in each.

Processor Tab

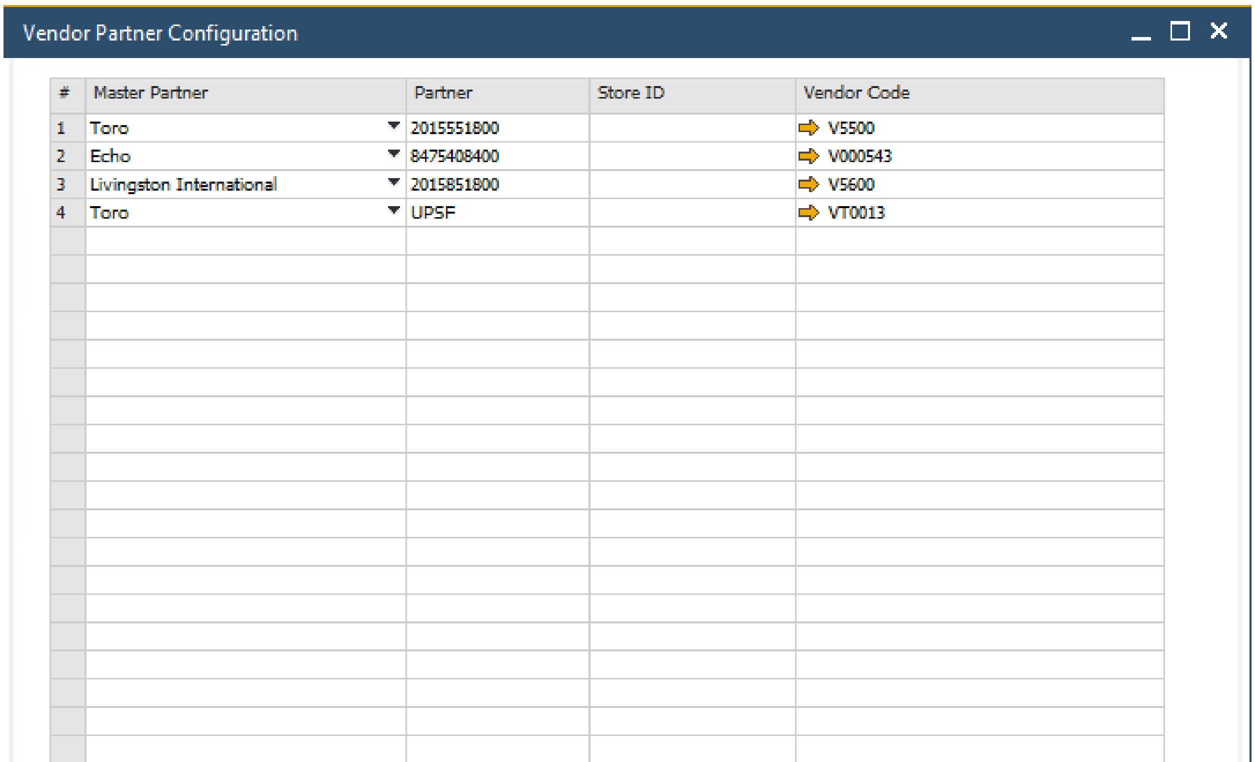
This tab is only used when using the EDI processor. This option allows you to selectively exclude specific transactions for a trading partner. You might need to use this if you want review 855's for a customer before they are transmitted to make sure you have updated the different status codes.



Vendor Partner Configuration

Resolv > Resolv EDI Control > Purchase Orders > Vendor Partner Configuration

This screen contains a list of the vendors who are trading partners. It establishes the relationship between the trading partner identification and the Business Partner record in the system.


Vendor Partner Configuration

#	Master Partner	Partner	Store ID	Vendor Code
1	Toro	2015551800		V5500
2	Echo	8475408400		V000543
3	Livingston International	2015851800		V5600
4	Toro	UPSF		VT0013

Master Partner: This field contains the Partner ID license that will be assigned to the trading partner. Every trading partner must be assigned to a Master Partner.

Partner: This field contains the ID code for the trading partner, as it will be received in the EDI transmissions.

Store ID: This field is only needed in the case where a trading partner is identified with more than one Business Partner. For example, certain locations may be associated with one vendor code, while other locations may be associated with a different vendor code. In this case, enter the location ID code in this field. Note that the store ID must relate to a ship-to address for the Business Partner.

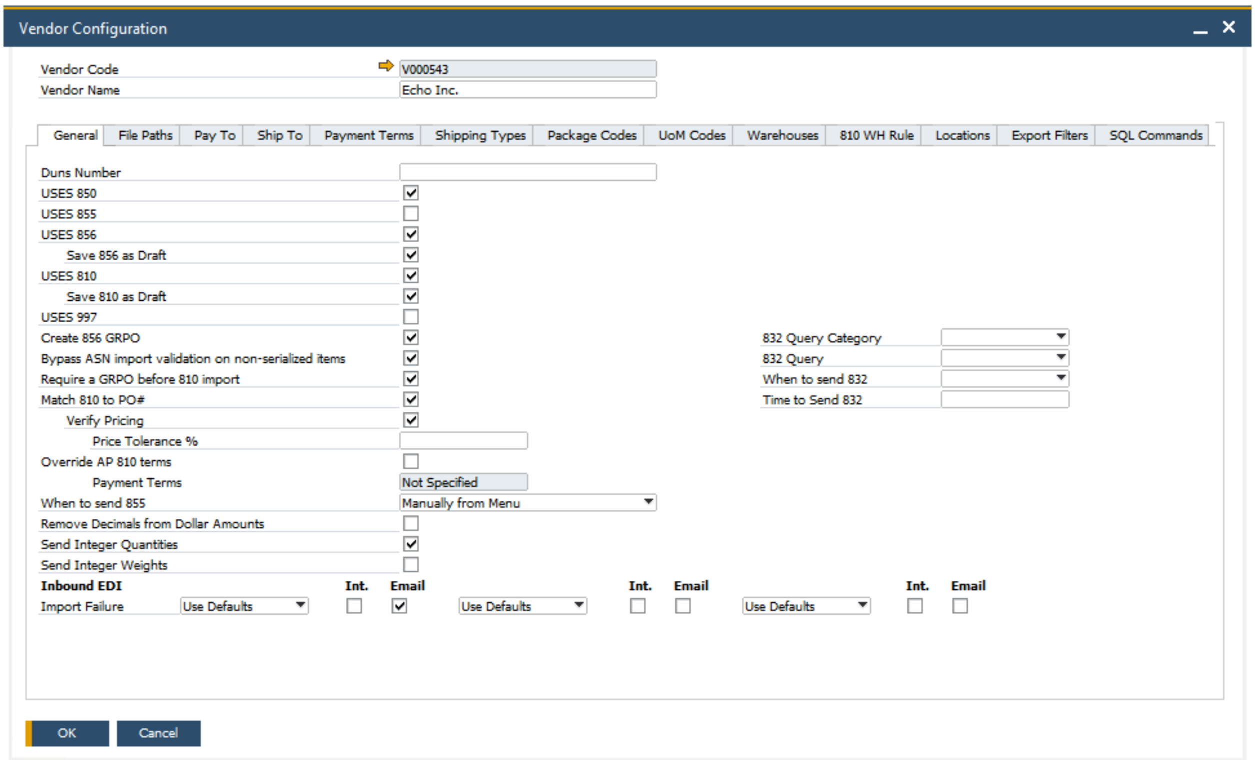
Vendor Code: Enter the relevant vendor code in this field.

Vendor Configuration

Resolv > Resolv EDI Control > Purchase Orders > Vendor Configuration

For each EDI trading partner, you will need to configure an EDI Vendor Configuration record. This will allow the specifics for the trading partner to be identified, and any deviations from the defaults can be configured.

General Tab



In the header, enter either the vendor code or the vendor name; the alternate field will be filled in automatically.

DUNS Number: N/A

USES 850: This checkbox is used to indicate if you will sending the trading partner 850's. This will allow purchase orders to be exported.
This set of checkboxes will appear for each document type setup in the configuration defaults. Check the document types that are required for this trading partner.

USES 855: N/A

USES 856: This checkbox is used to indicate you will be importing ASN's from the trading partner.
This will allow ASN's to be imported into SAP. This transaction will create the GRPO for the PO's found on the ASN.

Save 856 as Draft: select this check box if you want ASN's to be created as drafts instead of creating the GRPO.

USES 810: This checkbox is used to indicate you will be importing 810's from the trading partner.
This will allow AP invoices to be imported into SAP.

Save 810 as Draft: select this check box if you want the invoices to be created as draft document instead of creating the invoice.

Uses 997: N/A

Create 856 GRPO: Select this check box if you want the import to create a GRPO for the items that are imported.

Bypass ASN import validation on non-serialized items: Select this check box if you want to skip validations of non-serialized items. Some of the validations that will be skipped are:

- **Does item exist on the PO**
- **Matching of item quantities**

Require a GRPO before 810 import: Select this check box if a GRPO must be in the system for the PO that is associated with the invoice being processed. If checked and no GRPO found, the 810 will not be created.

Match 810 to PO#: Select this checkbox if you want to make sure the PO# assigned to this 810 is a valid PO in SAP and is assigned to the vendor associated with the trading partner.

Verify Pricing: This option is only available if the Match 810 to PO# is selected. If selected, you can select a price tolerance % that the price must fall within to be considered acceptable.

Price Tolerance %: This option is only available if the Verify Pricing option is selected. The acceptable difference in price % from what is on the PO to the price in the 810 file would be entered here. Ex 10 would allow the price to deviate 10% and still be considered acceptable.

Override AP 810 terms: Select this checkbox if you want to override the terms that would normally be assigned to the invoice with a terms code listed below.

Payment Terms: This option is only available if the Override AP terms is selected. If selected, you can select the terms to assign to new invoices imported from the pull down list.

When to send 855: N/A
Remove Decimals from Dollar Amounts: N/A
Send Integer Quantities: N/A
Send Integer Weights: N/A
832 Query Category: N/A
832 Query: N/A
When to send 832: N/A
Time to send 832: N/A

Notifications – indicate whether to send the following notifications:

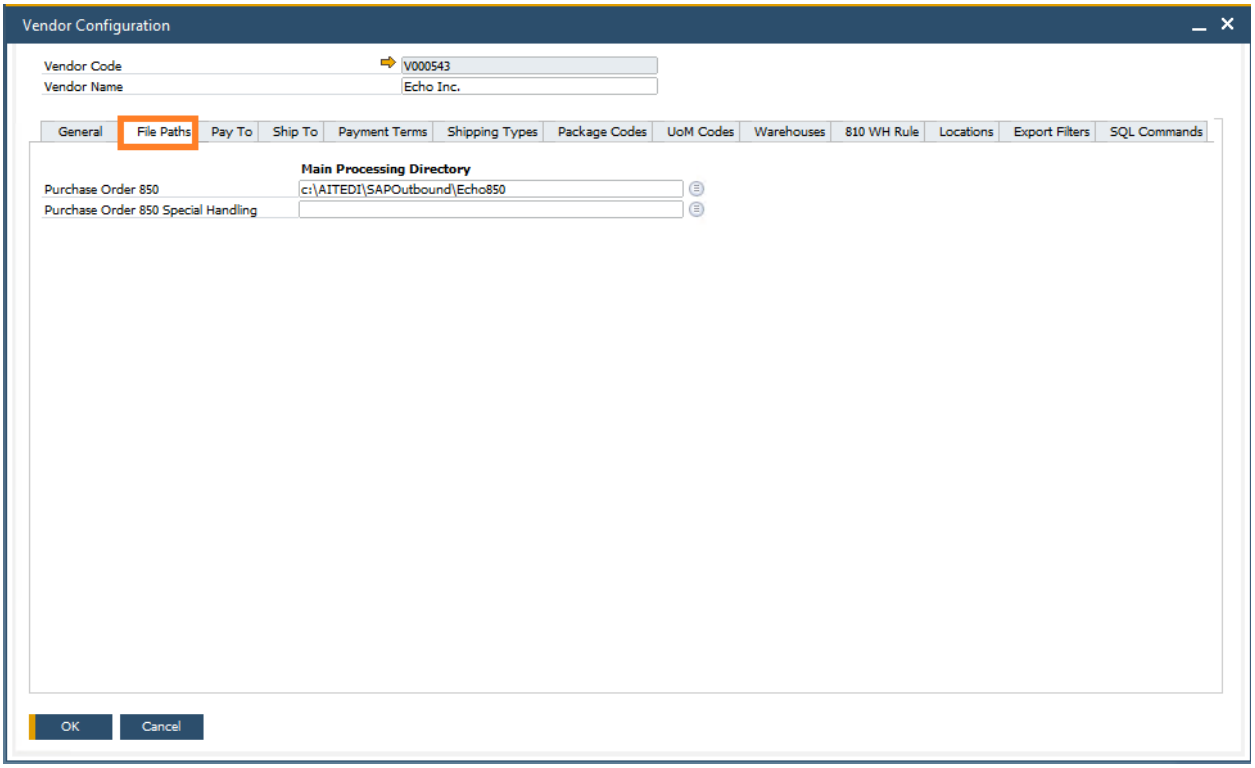
Inbound EDI

Import Failure: This notification is used if the system cannot create a document and will include information about the error.

Outbound EDI

Transmission Error: This notification is used if the System is not able to submit a document to the EDI processor.

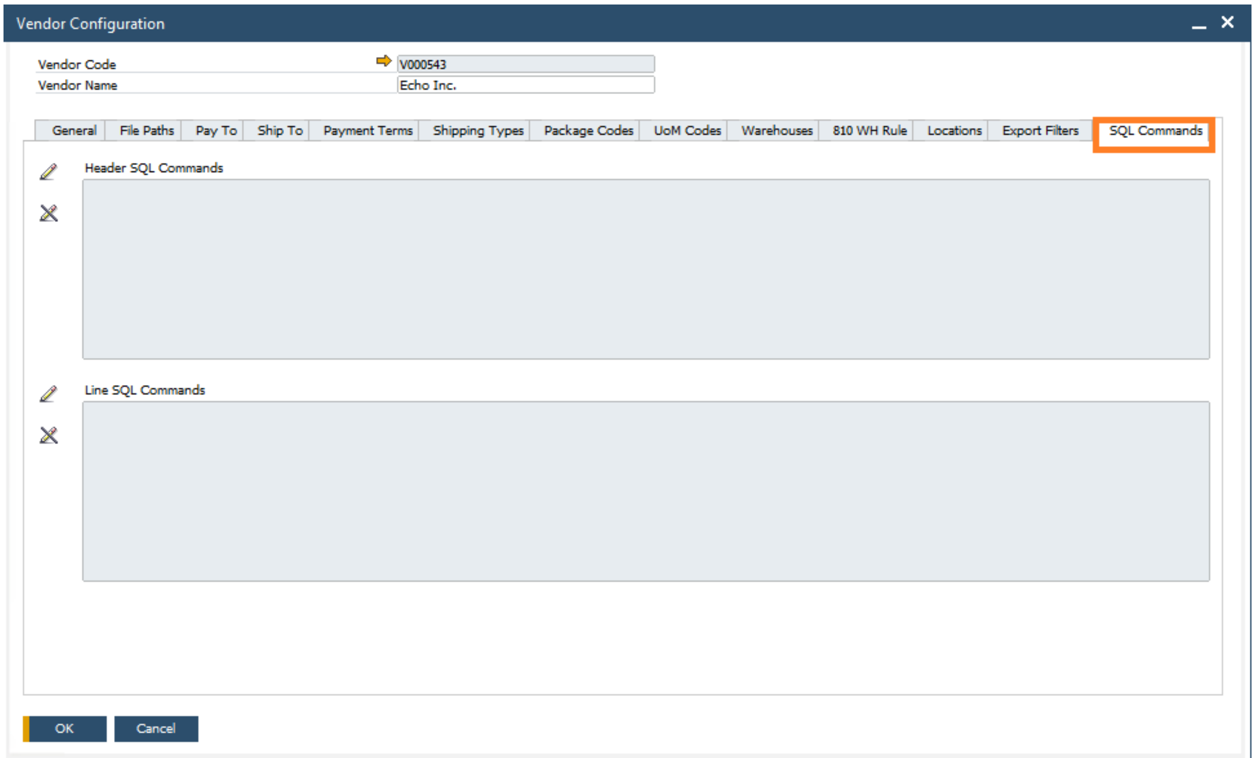
File Paths Tab



This tab will display the file paths where the trading partner's current documents will be stored when they are exported from SAP. Data in these folders will be stored in an XML format. The Special Handling paths are typically used for direct shipment processing where different formats may be required along with different maps. If a different format is not required for any of the outbound documents being utilized, the recommendation is that the Special Handling path be the same as the standard path.

SQL or HANA Commands Tab

This tab is used for any SQL or HANA commands that are needed in the data transmissions with the Trading Partner.



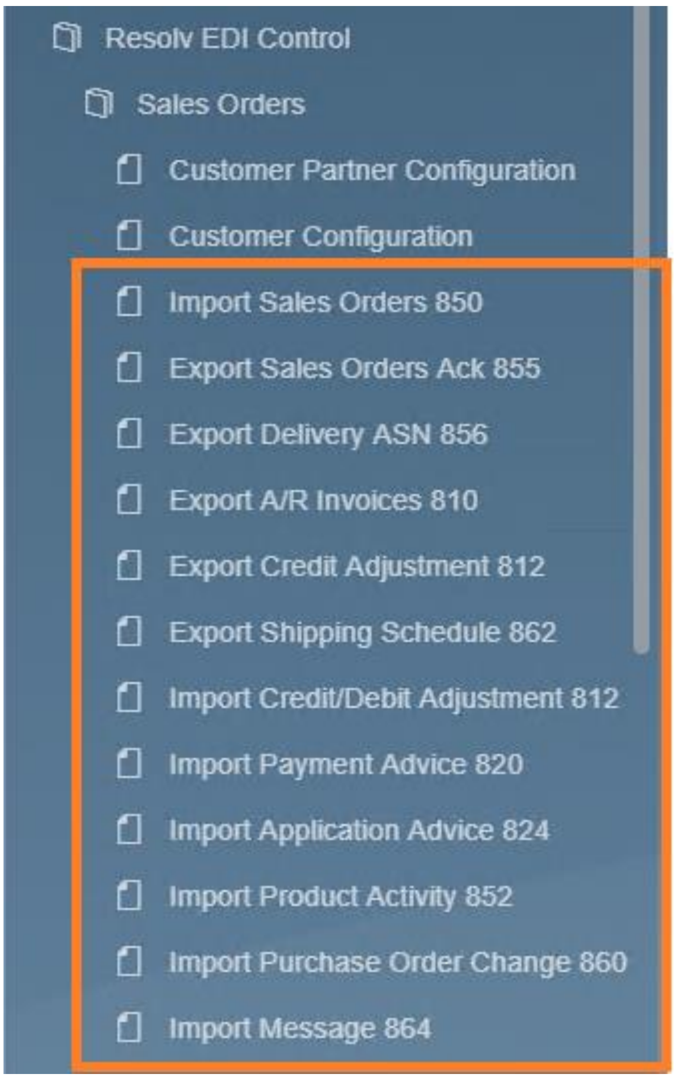
To enter a command, click on the pencil icon to the left of the field, then type in the field. When the entry is complete, click on the crossed-pencil icon to close the field.

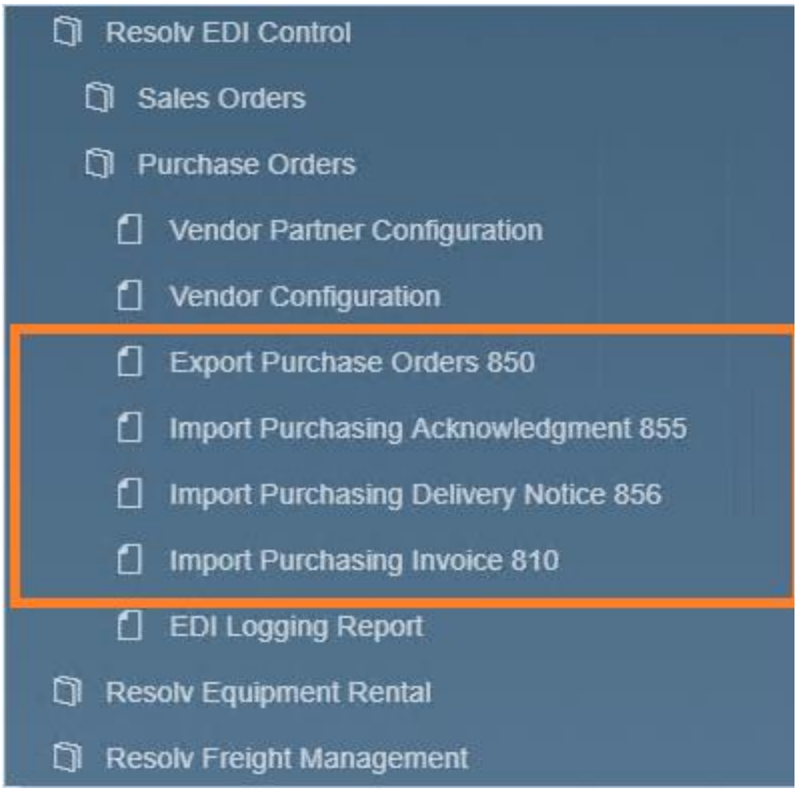
Use the upper field for SQL or HANA commands relating to the document header, and the lower field for commands relating to document rows. You may enter up to 64,000 characters in each.

Daily Processing

EDI processing consists of a set of import and export programs which will transmit data files to and from the trading partners. Each document type may be transmitted in one direction only. Those that are imported contain data that will be used to create new transaction documents in SAP Business One, while those that are exported contain data from existing SAP documents which is sent to the trading partner.

The ***Resolv EDI Control*** menu divides the documents into two sections: Sales Orders and Purchase Orders. Each section lists those document types that have been defined in the EDI Configuration.





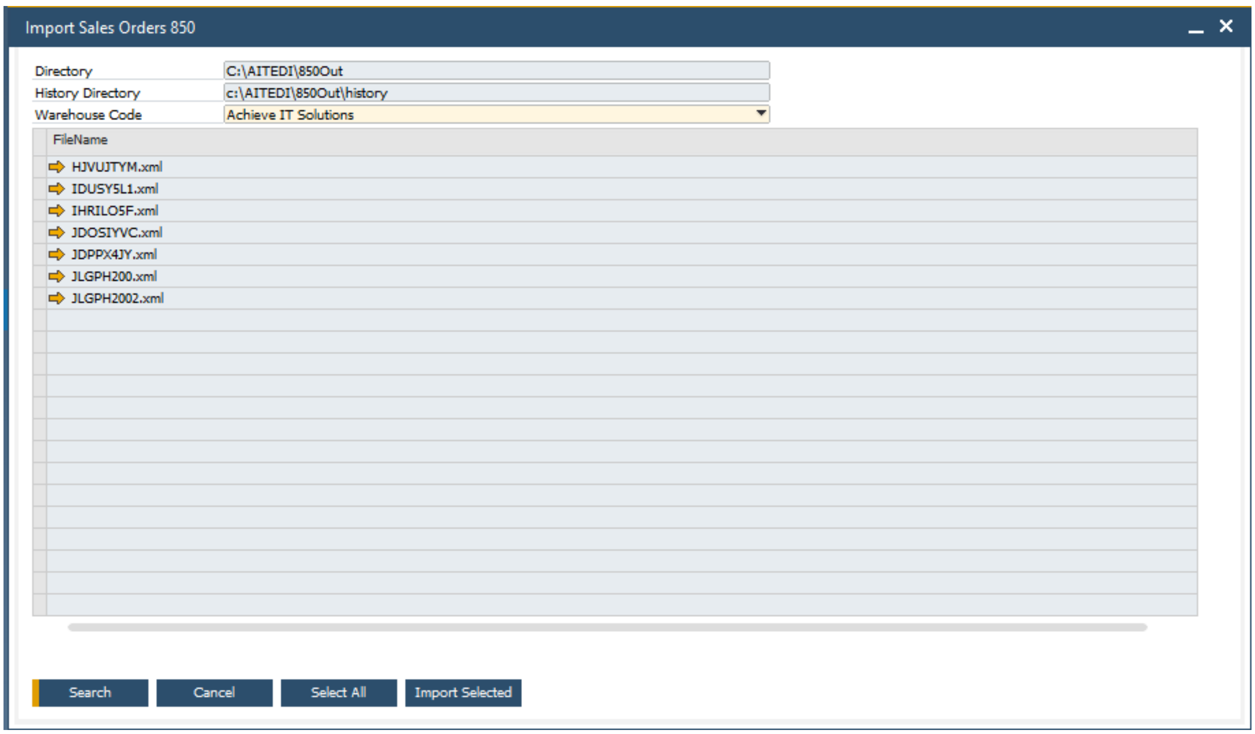
Note: The following sections provide instructions for manually importing and exporting documents; this may be done at any time by authorized users. However, it is generally more convenient to have the transmissions occur on an automatic schedule by means of the Resolv Processor.

It is recommended to begin with manual processing and then switch to automatic transmission once everything is running correctly. You can turn on the Resolv Processor by checking "Process in Resolv Processor" in the EDI Configuration.

EDI Imports

Importing a Document from EDI to SAP Business One is a process that is repeated for each inbound transaction. The example given is the 850 (Generates SAP Sales Order). For each, you will see a list of pending documents. You may process the entire list, or selectively process documents.

The import function will take the processed EDI data (now in an XML format) and create the respective SAP documents. For each document, if the import is successful, then the XML file will be moved to History. If it fails to import, it will remain in the original directory, and will continue to appear on the Import screen.



Warehouse Code: This field will identify the default SAP warehouse the documents will be created in if there are no other configuration settings that will override the warehouse.

Search: This button will load the documents from the directory.

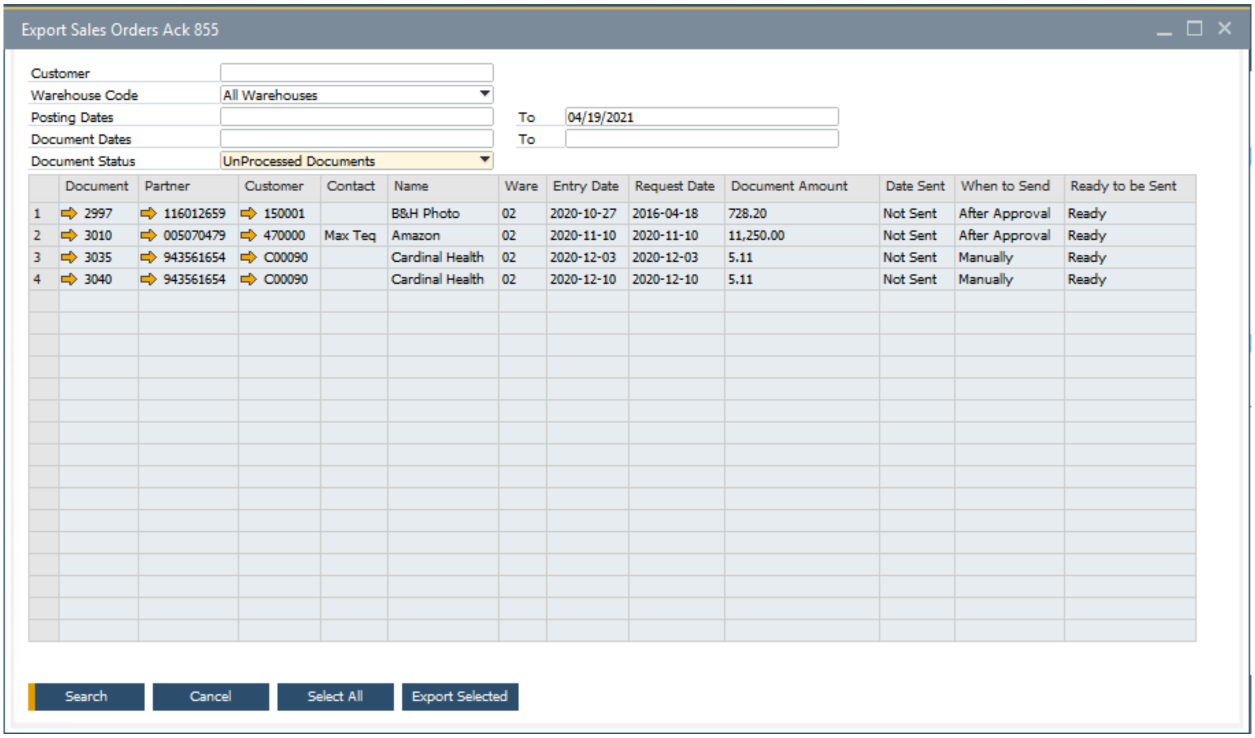
Cancel: This button will close the current screen.

Select All: This button will highlight (select) all files for processing.

Import Selected: This button will begin processing for each file highlighted.

EDI Exports

Exporting documents is similar to importing and each document type is processed the same way. The example below is the 855 Sales Order Acknowledgement.



Customer: This field is an optional data filter, which will limit the results to a specific customer if populated.

Warehouse Code: This field will filter on a specific warehouse or return data from all warehouses.

Posting Dates: These optional fields will allow the user to select records based on the posting date.

Document Dates: These optional fields will allow the user to select records based on the document date.

Document Status: This allows the user to select either processed or un-processed documents.

Search: This button will load the SAP documents from the database that match the selection criteria.

Cancel: This button will close the current screen.

Select All: This button will highlight (select) all the documents returned for processing.

Export Selected: This button will process each selected record (document) and generate an XML file. The file will then be processed manually by the user or the EDI Processor will handle it.

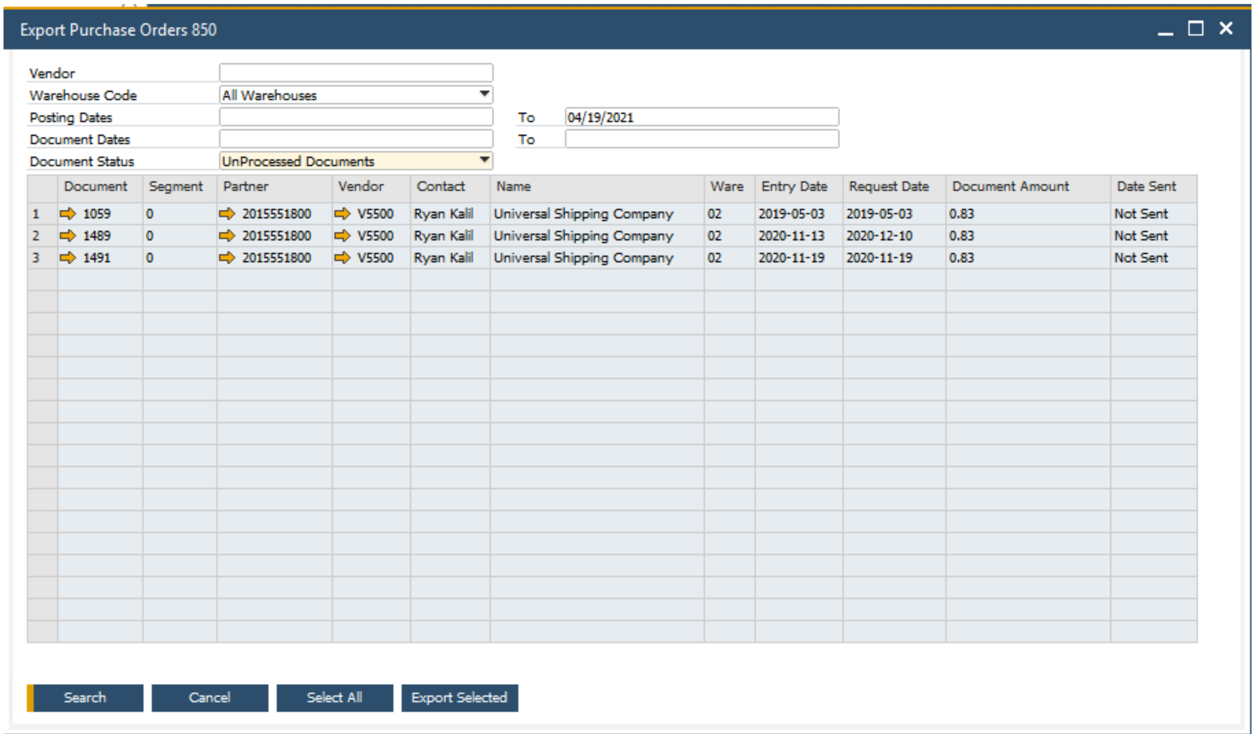
Each of the following Exports work the same as the EDI 855 described above:

- **Export Delivery ASN 856**
- **Export A/R Invoices 810**
- **Export Credit Adjustment 812**
- **Export Inquiry/Advice 846**

Each of the following Imports work the same as the EDI 850 described above as far as the screen interface. The difference is that these imports will populate a browser and not create any SAP marketing or transactional data. The exception to this is when Importing the payment advice 820 document and the flag to create in-coming payments is turned on:

- **Import Credit/Debit Adjustment 812**
- **Import Payment Advice 820**
- **Import Application Advice 824**
- **Import Purchase Order Change 860**
- **Import Message 864**

EDI Export Purchase Orders 850



This Export is part of the EDI Purchase Order Module. This screen will allow Purchase Orders (850's) to be transmitted to trading partners that that have been configured to receive their PO's electronically through EDI

Import Purchasing Delivery Notice 856:

This import will use a trading partners in-bound ASN (856) and update selected fields on an existing Purchase order. The purchase order must be sent on the ASN and it must match exactly an existing PO# in SAP.

Sales Order Approvals

The Sales Order Approval feature represents a change from the standard Business One Approvals methodology. Although it uses many of the standard functions, it allows orders to be placed in an "unapproved" state while still adding them as normal documents instead of drafts. It is also possible to make changes to the orders after they have failed an approval test. A screen is provided on which an approver may see a list of all documents that require approval and will allow the document status to be changed to Approved, Internal Hold, Rejected or Pending. Finally, the system retains an archive of all orders that have failed the approval test, including subsequent approvals, rejections, and changes to the document.

***Note**: You can continue to use the Business One Approvals functions in the standard way for documents other than Sales Orders (i.e. Purchase Orders, A/R Invoices).*

Sales Order Approval will have a record for all Sales Orders imported but not approved by EDI.

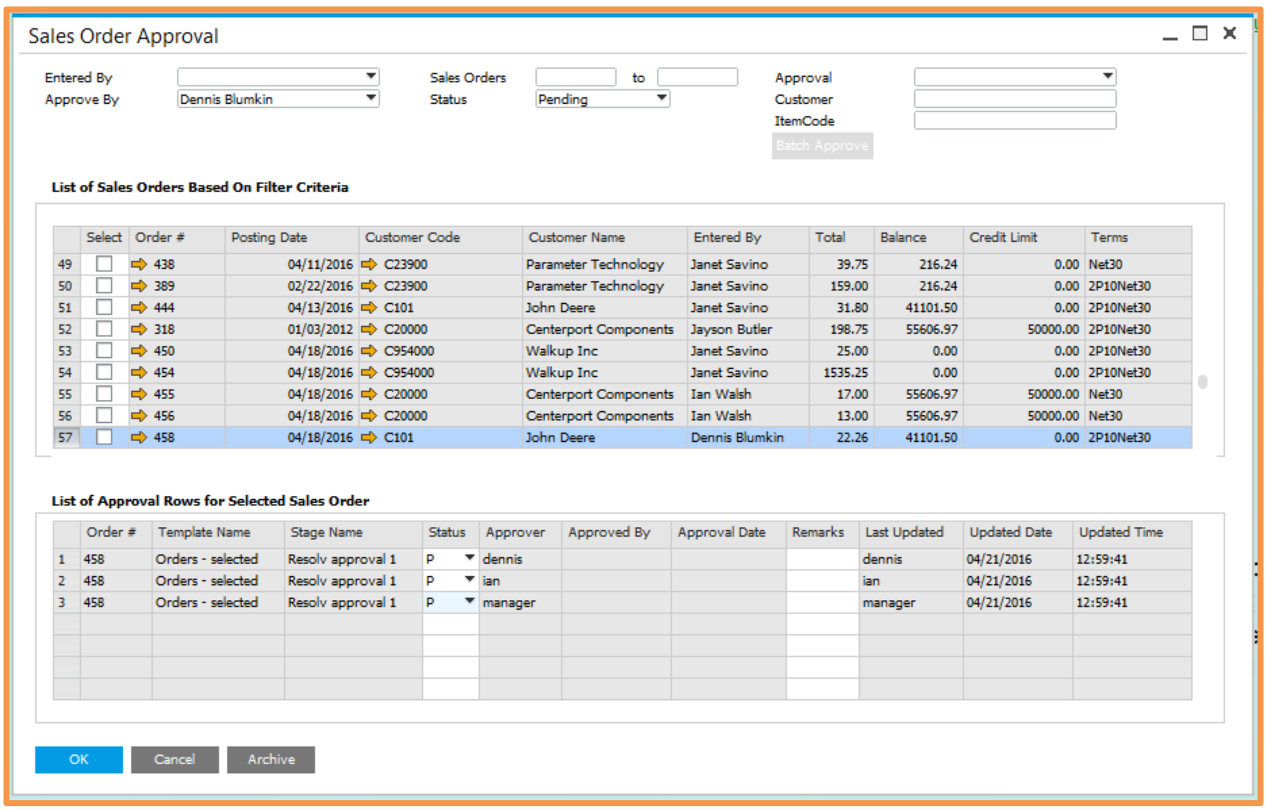
Approval Procedures

Unlike standard approvals, the “Approved” checkbox on the Logistics tab is unchecked and the order status is displayed as “Unapproved”. While an order is unapproved, the following conditions will apply:

- **The order will not appear in the Pick and Pack Manager.**
- **The order cannot be copied to a Delivery or A/R Invoice.**
- **Changes can be made to the Order.**
- **The order is included in the Business One Open Items Report and Backorder Report.**

<u>Sales Order Approval Screen</u>

Resolv > Resolv EDI > Sales Order Approval



This screen is used to view orders that have been sent to the approval process. You may view orders for which approval is pending, or those which have been approved or rejected. Users who are included as approvers in the approval stage may also use this screen to register their acceptance or rejection of the orders.

The header area may be used to indicate which orders you wish to view. You may select an Entered By user, or leave the field blank to include all users. You may also enter a date range, or leave the fields blank to include all dates. From the drop-down list, select Pending, Approved, or Rejected to indicate the type of orders to include.

When the header selections are complete, click on the “Find” button. The screen will display all of the selected orders in the upper grid. You can see the order number, date, customer code and name, the name of the user who entered the order, the amount of the order, and the customer’s open balance, credit limit, and terms code. You may drill down on the order number to see the document.

Highlight one or more lines in the upper grid to view or change the approval status. The selected orders will appear in the lower grid. Note that it is possible to have more than one approval template that applies to an order (for example, customer over credit limit and an order total greater than a maximum amount); it is also possible to have more than one user listed as approvers in the approval stage. Therefore, there may be multiple lines per order in the lower grid.

Each row in the lower grid includes the Status field. While any user may view this information, only the designated approver may alter the selection in this field. In the example above, both manager and bill are approvers. Each of them can change the status only in the row with his user name. Other users will not be able to change either row.

The approver may change the status to “A” (approved) or “R” (rejected). Multiple order status fields may be changed at the same time. When all changes are complete, click on “Update”.

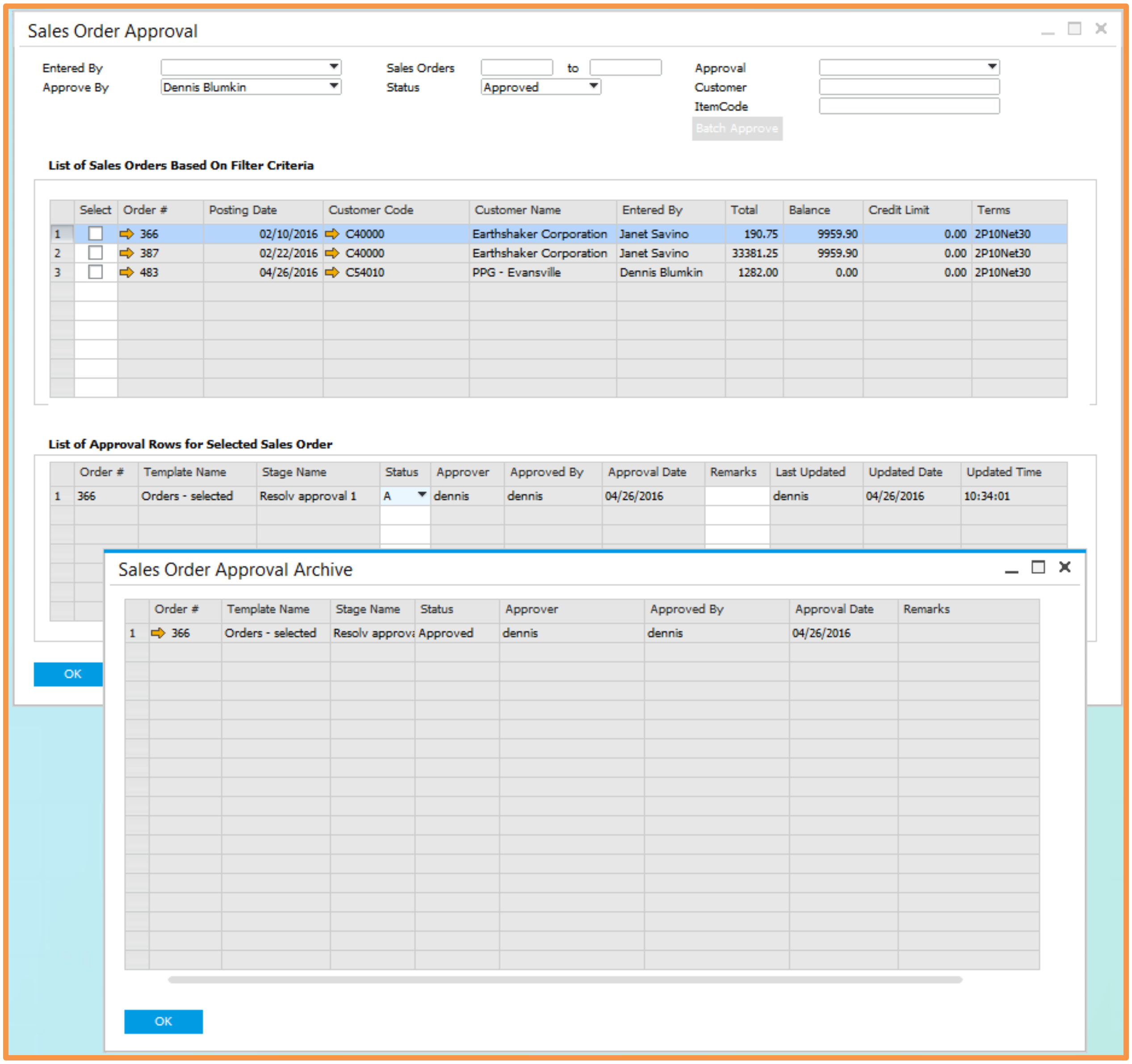
If an order is approved, the “Approved” checkbox on the Logistics tab will be checked, and the status will change to “Open”. If the order is rejected, there will be no change to the order document, and the status will remain “Unapproved”.

Whenever an order is rejected, it will no longer appear in the list of pending orders. It will be necessary to change the header selection to “Rejected” in order to view it.

Approvers may change the approval status at any time as long as the order remains open. They may return an order to a status of “Pending” even after it has been accepted or rejected.

Approval Archive

Once an order has been sent into the approval process, all results are archived for future review. To view the archive, select an order from the Approved or Rejected list, and click on the "Archive" button at the bottom of the screen.



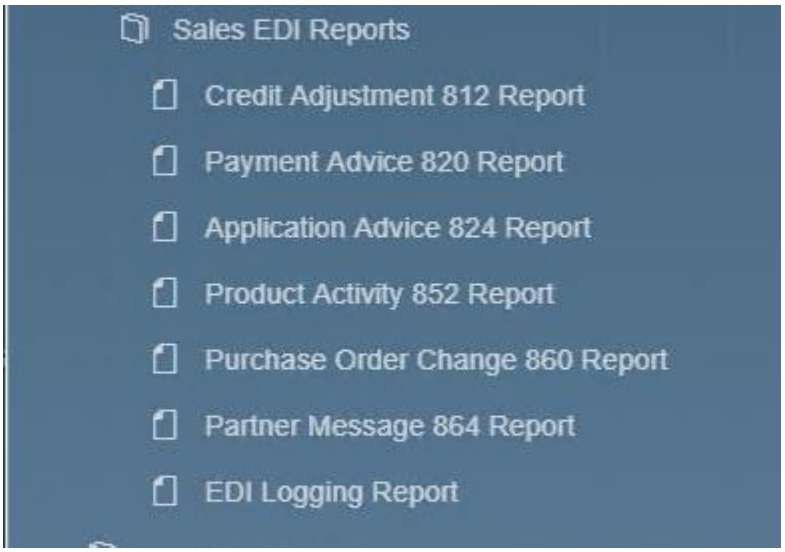
The archive window shows the history of approval activity. You can see each decision as it was entered by the approvers.

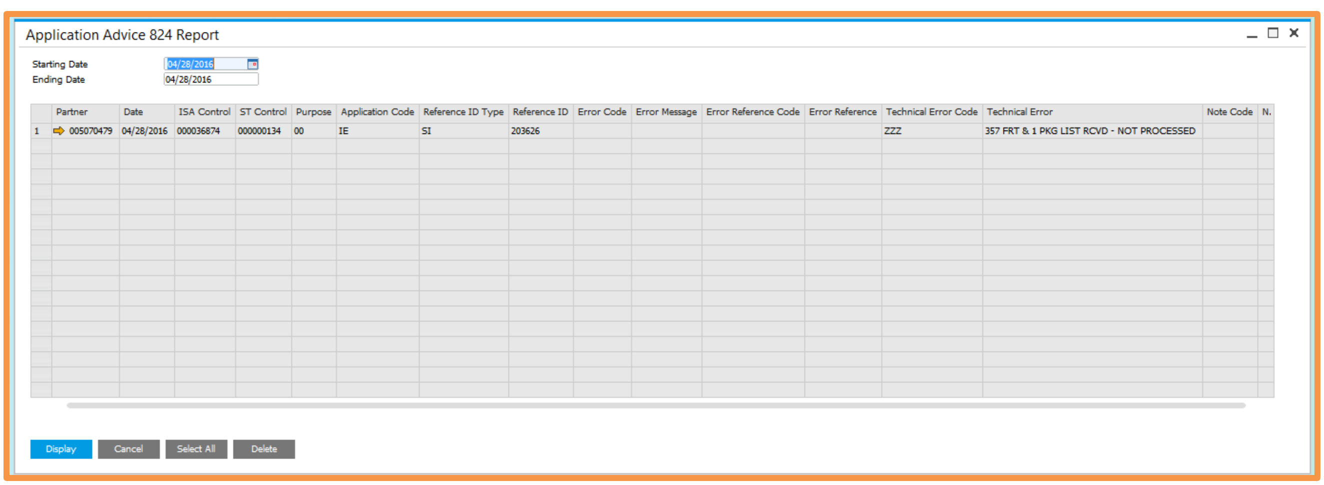
If you wish to see changes to the order document, you may drill down to the order number and open the Change Log, which will indicate which fields were changed, and by whom.

Sales EDI Reports

These reports are created from inbound EDI documents and are mapped into a browser. These reports all work the same way.

- **Credit Adjustment 812 Report**
- **Payment Advice 820 Report**
- **Application Advice 824 Report**
- **Partner Message 864 Report**





Starting/Ending Dates: These optional fields will allow the user to select records based on the selected dates.

Display: This button will load the SAP documents from the database that match the selection criteria

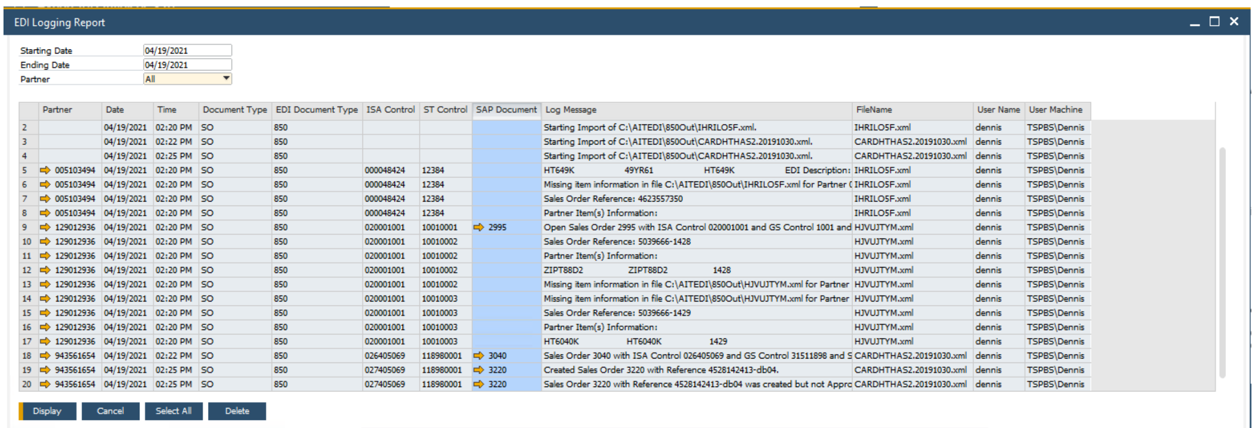
Cancel: This button will close the current screen

Select All: This button will highlight (select) all the documents returned for processing.

Delete: This button will delete the highlighted entries

EDI Logging Report

This report provides an audit log of EDI SO transactions that have been imported and exported.



	Partner	Date	Time	Document Type	EDI Document Type	ISA Control	ST Control	SAP Document	Log Message	FileName	User Name	User Machine
2		04/19/2021	02:20 PM	SO	850				Starting Import of C:\AITEDI\850Out\IHRILO5F.xml.	IHRILO5F.xml	dennis	TSPBS\Dennis
3		04/19/2021	02:22 PM	SO	850				Starting Import of C:\AITEDI\850Out\CARDHTHAS2.20191030.xml.	CARDHTHAS2.20191030.xml	dennis	TSPBS\Dennis
4		04/19/2021	02:25 PM	SO	850				Starting Import of C:\AITEDI\850Out\CARDHTHAS2.20191030.xml.	CARDHTHAS2.20191030.xml	dennis	TSPBS\Dennis
5	005103494	04/19/2021	02:20 PM	SO	850	000048424	12384		HT649K 49YR61 HT649K EDI Description:	IHRILO5F.xml	dennis	TSPBS\Dennis
6	005103494	04/19/2021	02:20 PM	SO	850	000048424	12384		Missing item information in file C:\AITEDI\850Out\IHRILO5F.xml for Partner (	IHRILO5F.xml	dennis	TSPBS\Dennis
7	005103494	04/19/2021	02:20 PM	SO	850	000048424	12384		Sales Order Reference: 4623557350	IHRILO5F.xml	dennis	TSPBS\Dennis
8	005103494	04/19/2021	02:20 PM	SO	850	000048424	12384		Partner Item(s) Information:	IHRILO5F.xml	dennis	TSPBS\Dennis
9	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010001	2995	Open Sales Order 2995 with ISA Control 020001001 and GS Control 1001 and	HJVUJTYM.xml	dennis	TSPBS\Dennis
10	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010002		Sales Order Reference: 5039666-1428	HJVUJTYM.xml	dennis	TSPBS\Dennis
11	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010002		Partner Item(s) Information:	HJVUJTYM.xml	dennis	TSPBS\Dennis
12	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010002		ZIPT88D2 ZIPT88D2 1428	HJVUJTYM.xml	dennis	TSPBS\Dennis
13	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010002		Missing item information in file C:\AITEDI\850Out\HJVUJTYM.xml for Partner	HJVUJTYM.xml	dennis	TSPBS\Dennis
14	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010003		Missing item information in file C:\AITEDI\850Out\HJVUJTYM.xml for Partner	HJVUJTYM.xml	dennis	TSPBS\Dennis
15	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010003		Sales Order Reference: 5039666-1429	HJVUJTYM.xml	dennis	TSPBS\Dennis
16	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010003		Partner Item(s) Information:	HJVUJTYM.xml	dennis	TSPBS\Dennis
17	129012936	04/19/2021	02:20 PM	SO	850	020001001	10010003		HT6040K HT6040K 1429	HJVUJTYM.xml	dennis	TSPBS\Dennis
18	943561654	04/19/2021	02:22 PM	SO	850	026405069	118980001	3040	Sales Order 3040 with ISA Control 026405069 and GS Control 31511898 and S	CARDHTHAS2.20191030.xml	dennis	TSPBS\Dennis
19	943561654	04/19/2021	02:25 PM	SO	850	027405069	118980001	3220	Created Sales Order 3220 with Reference 4528142413-db04.	CARDHTHAS2.20191030.xml	dennis	TSPBS\Dennis
20	943561654	04/19/2021	02:25 PM	SO	850	027405069	118980001	3220	Sales Order 3220 with Reference 4528142413-db04 was created but not Appro	CARDHTHAS2.20191030.xml	dennis	TSPBS\Dennis

Starting/Ending Dates: These optional fields will allow the user to select records based on the selected dates.

Partner: This pulldown selection will allow you to select 'ALL' trading partners or select an individual trading partner to view.

Display: This button will load the SAP documents from the database that match the selection criteria.

Cancel: This button will close the current screen.

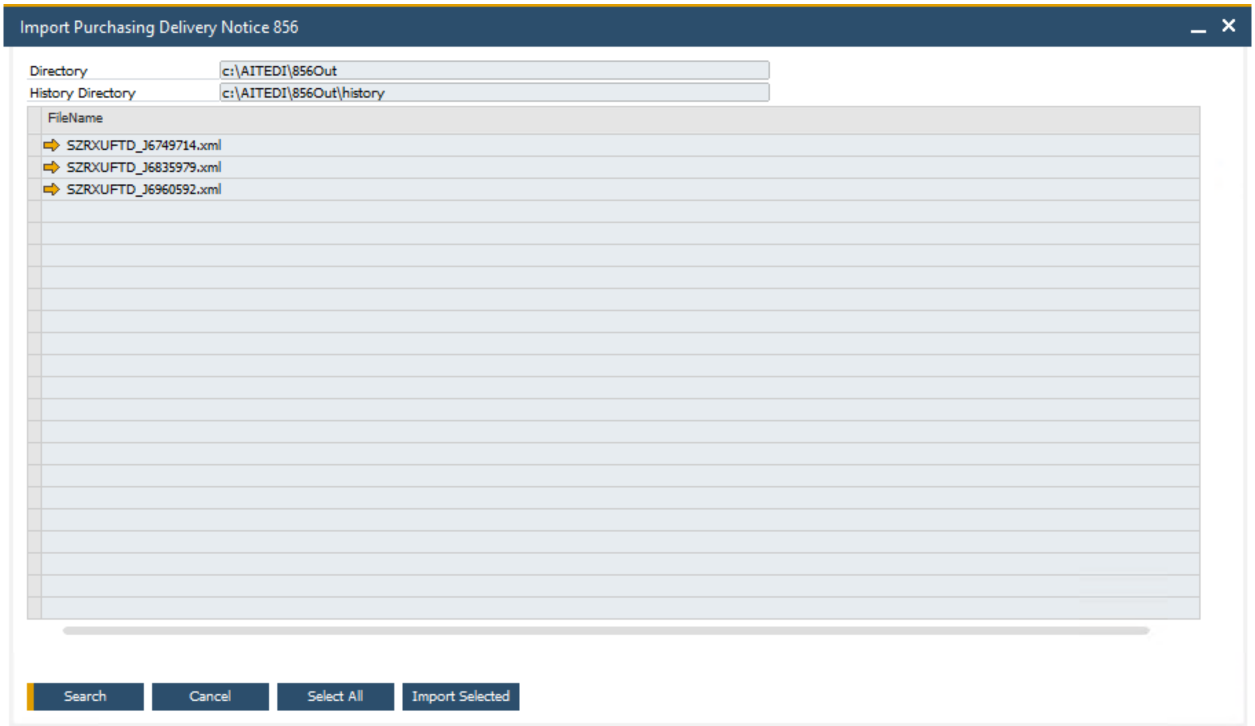
Select All: This button will highlight (select) all the documents returned for processing.

Delete: This button will delete the highlighted entries.

Purchase Orders

Import Purchasing Delivery Notice 856

This import function will take the processed EDI inbound ASN data (now in an XML format) that the trading partner has provided and update open PO's with the selected information contained in the XML file. The data that will be updated on the PO is determined from the EDI import configuration screen. For each document, if the import is successful, then the XML file will be moved to History. If it fails to import, it will remain in the original directory, and will continue to appear on the Import screen.



EDI Logging Report

This report provides an audit log of EDI transactions that have been imported and exported from purchasing transactions. It works much the same as the EDI Logging report for Sales Orders described above.