Infor SyteLine EDI User Guide

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Chapter 1: Electronic Data Interchange (EDI) Overview

This topic provides an overview of Electronic Data Interchange, or EDI.

EDI Interface

SyteLine is integrated with an EDI translator. The system imports inbound transactions from the translator and exports outbound transactions to the translator.

See About EDI Translators on page 10.

The EDI translator interface supports six demand side and six supply side transaction sets. Infor SyteLine EDI complies with the American National Standards Institute (ANSI) X12 and EDIFACT (International) standards.

See About EDI Standards on page 9.

The supported transactions are listed below.

This table lists the transaction number and name for demand side transactions:

Transaction	X12 Transaction Number	EDIFACT Transaction Name
Purchase Order (Inbound)	850	ORDERS
Planning Order (Inbound)	830	DELFOR
Shipping Order (Inbound)	862	DELJIT
PO Acknowledgment (Outbound)	855	ORDRSP
Advance Ship Notice (ASN) (Outbound)	856	DESADV
Invoice (Outbound)	810	INVOIC

This table lists the transaction number and name for supply side transactions:

Transaction	X12 Transaction Number	EDIFACT Transaction Name
Purchase Order (Outbound)	850	ORDERS
Planning Order (Outbound)	830	DELFOR
Shipping Order (Outbound)	862	DELJIT
PO Acknowledgment (Inbound)	855	ORDRSP

Transaction	X12 Transaction Number	EDIFACT Transaction Name
Advance Ship Notice (ASN) (Inbound)	856	DESADV
Invoice (Inbound)	810	INVOIC

Importing and Exporting

The SyteLine application database includes tables whose names start with "edi..." that contain the following data:

- EDI customer orders (not yet posted to the normal customer database tables)
- Trading partner information
- Documents for exporting
- Other EDI related data

Data is exchanged between SyteLine and the translator using flat ASCII files. The translator exports orders, which SyteLine imports into its EDI database tables.

Import EDI Process in the ERP

To import data from all flat files currently in the IB-Inbound logical folder into the EDI database tables, use the **EDI Transaction Load Routine** utility. These files are also archived during the import process.

You can also automatically post EDI customer orders into SyteLine during the import process, if you set up the **EDI Customer Profiles** form to allow this for certain trading partners. Otherwise, you need to post them manually from the **EDI Customer Orders** form.

Errors that occur during the import process are sent to the log file (editrans.log). To view any import transmission errors while you are in the **EDI Customer Orders** form, select **Actions > List Error Log**.

EXAMPLE: Sample editrans.log

Export EDI Process in the ERP

Outbound EDI document data is stored in the EDI database tables. Use the **EDI Transaction Unload Routine** form to export the data to the corresponding flat ASCII files in the OB-Outbound logical folder, where it can then be imported into the translator.

If you need to retransmit any outbound document that was already exported, use the Retransmit utilities in SyteLine.

Note: You must import any exported data from either SyteLine or the translator to the corresponding system before you can perform any further importing/exporting from either system. This practice ensures data integrity between SyteLine and the translator.

EDI Steps

After setting up EDI parameters and profiles, use the following steps and forms to handle inbound and outbound EDI transaction processing.
Note: Transactions for items flagged obsolete or slow-moving may not post as described in these steps.

This table displays links to processes for inbound and outbound demand side transactions:

Demand Side Transaction Type	Processes
Inbound	Receiving EDI Purchase Orders (850/ORDERS) and Creating Customer Orders on page 49 Receiving Planning Orders (830/DELFOR) and Creating Customer Orders on page 48 Receiving Shipping Schedules (862/DELJIT) and Creating Customer Orders on page 48
Outbound	Transmitting Purchase Order Acknowledgments (855/ORDRSP) on page 70 Creating an EDI Advance Ship Notice (Outbound 856/DESADV) on page 69 Creating an EDI Invoice (Outbound 810/INVOIC) on page 70

This table displays links to processes for inbound and outbound supply side transactions:

Supply Side Transaction Type	Processes
Inbound	Receiving PO Acknowledgments (Inbound 855/ORDRSP) on page 83 Receiving an EDI Advance Ship Notice (Inbound 856/DESADV) on page 84 Receiving an EDI Invoice (Inbound 810/INVOIC) on page 83
Outbound	Receiving EDI Purchase Orders (850/ORDERS) and Creating Customer Orders on page 49 Receiving Planning Orders (830/DELFOR) and Creating Customer Orders on page 48 Receiving Shipping Schedules (862/DELJIT) and Creating Customer Orders on page 48

Posting EDI Inbound Purchase Order Acknowledgements

Changes to the original PO's item quantity, item cost, or due date may be posted from this form if the appropriate fields are selected on the **EDI Vendor Profiles** form.

To post any changes, perform these steps:

1. Open the **EDI Purchase Order Acknowledgments (Inbound)** form.
2. Select the **Post** field for the appropriate records.
3. Click **Post Acknowledgment to PO** to post all selected acknowledgments. The original POs are updated with any changes to quantity ordered, due date, and price.

About EDI Standards

The SyteLine EDI system is fully compliant with the requirements of both major standard-setting bodies.

ANSI X12 (American National Standards Institute)

The American National Standards Institute (ANSI) was founded in 1918 as the national coordinator for standards in the United States. National standards are developed primarily by trade, technical, professional, consumer, and labor organizations. ANSI itself does not develop standards. It approves a standard only when it has verified evidence presented by a standards developer that those affected by the standard have reached substantial agreement (consensus) on its provisions.

In 1979, ANSI chartered Accredited Standards Committee (ASC) X12 to develop uniform standards for electronic interchange of business transactions. Its aim is to structure standards so that computer programs can translate data to and from internal formats without extensive reprogramming. In this way, the efficiencies of a standard interchange format minimize the difficulties and expenses associated with attempting to meet varying formats imposed by different organizations.

X12 standards assign number codes to various transactions.

EDIFACT

EDIFACT (Electronic Data Interchange for Accounting, Commerce, and Technology) is the United Nations standard-setting body for electronic commerce. EDIFACT comprises a set of internationally agreed upon standards, directories, and guidelines for the electronic interchange of structured data, and in particular those related to trade in goods and services between independent, computerized information systems. These standards are more commonly used outside the United States. Transaction types are generally given word, or character, labels.

Your Vendor or Customer

In practice, many large customers or vendors define their own standards. Because SyteLine exports to a flat-ASCII file from which flexible maps to all standards can be done in a straightforward way, the system can be compatible with a wide range of trading partner requirements.

About EDI Translators

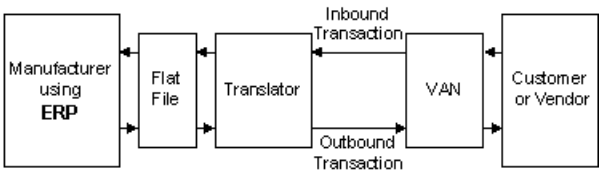
To send and receive transactions electronically, you must access a translator.

After you export flat file transactions from SyteLine's EDI database tables to flat files, these files are sent to the translator. Prior to importing transactions from the flat files into the EDI database tables, these files are created by the translator. The translator takes the flat file information and reformats the transaction according to the ANSI X12 or EDIFACT standard format.

For information about the flat-file layout, see these topics:

- About Outbound Demand EDI Transactions on page 52
- About Inbound Demand EDI Transactions on page 37
- About Outbound Supply EDI Transactions on page 84
- About Inbound Supply EDI Transactions on page 73

The following graphic illustrates the movement of transactions through the translator.



Translators

Infor SyteLine EDI can interface with several different translators: Inovis EDI, Sterling's GENTRAN:Server, Radley's RADEDI/CARaS or TSI's Mercator. You must purchase and install one of these separate programs in order to complete your EDI communication system. For more information, contact your Infor account representative.

For more information on your system translator, refer to the translator's documentation. If you use a translator other than those listed above, you must set up the translator to use the correct lock file on page 16, to ensure that only one program accesses the flat file at one time.

VANs

You must also arrange for communication lines and a mailbox to meet the physical requirements of EDI. (When your customer sends you an order, it arrives in your mailbox. You use your translator to retrieve it from there. Your customers and vendors do the same for documents you send to them.)

Typically this is done through the use of a value-added network, or VAN. VANs can handle all connectivity and services such as mailboxes for transactions, protocol conversion, implementation assistance, security, and auditing.

About Inbound Transactions

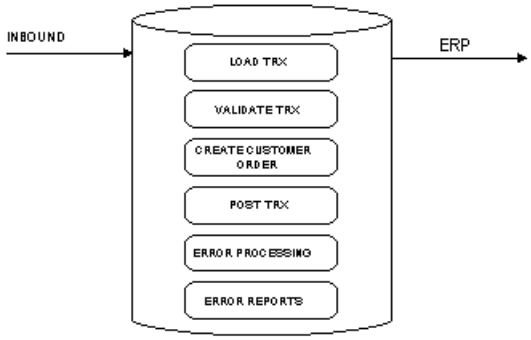
Infor SyteLine EDI manages the translated data from the EDI translator and prepares it for SyteLine.

Several functions occur in EDI that allow the inbound data to flow seamlessly from both customers or vendors into SyteLine. These processes include:

- Loading translated data into the EDI database tables from the flat files
- Validating EDI data
- Posting inbound data from the EDI tables to the normal SyteLine tables
- Processing errors
- Creating error reports
- Purging inbound transactions

Accessing the EDI mailbox initiates an inbound data flow. This action drives data through the translator into the EDI tables in SyteLine.

The following diagram illustrates the inbound functions of EDI.



Demand Side Inbound Transactions

The EDI interface supports these inbound transactions from your customers:

- Purchase Orders (850/ORDERS): When posted to SyteLine, these transactions create or update regular or blanket customer orders.
- Planning Orders (830/DELFOR): When posted to SyteLine, these transactions create or update blanket customer order lines (forecasts of a customer's order) or blanket releases.
- Shipping Orders (862/DELJIT): When posted to SyteLine, these transactions create or update blanket customer order lines (confirmations of a customer's order) or blanket releases.

The system loads transactions from the translator as formatted ASCII files.

Supply Side Inbound Transactions

The EDI interface supports the following inbound transactions from your vendors:

- Purchase Order Acknowledgments (855/ORDRSP): This transaction posts to SyteLine as an EDI purchase order acknowledgment. AutoPost is available.
- Advance Ship Notice (856/DESADV): This transaction posts to SyteLine as an EDI vendor ship notice, and may be used as input to the PO Receiving function.
- Invoices (810/INVOIC): This transaction posts to SyteLine as an EDI vendor invoice, and may be used as input to the process of generating A/P Vouchers. AutoPost is available.

Loading Inbound Transactions

You can import EDI inbound transactions using the **EDI Transaction Load Routine** utility, or the system can load the inbound transactions as part of a background task you define.

SyteLine loads the flat ASCII files output by the translator into the EDI database tables. Multiple lines in the ASCII file and multiple records in the EDI tables represent a single transaction. Minimal data validation occurs during this phase of the inbound process.

The files are named as listed below, where the XXX suffix for datafiles corresponds to the **Trading Partner** code from the **EDI Parameters** form (both supply and demand), and the HHMM.JJJ indicates the time and Julian date for the archive file.

This table describes the file names for each inbound transaction type:

Trans Type	Data Dir Filename	Archive Dir Filename
810	810_DTL.XXX	INV(HHMM.JJJ)
830 (Header)	RSEQ_HDR.XXX	RH(HHMM.JJJ)
830 (Detail)	RSEQ_DTL.XXX	RD(HHMM.JJJ)
850	850_EXP.XXX	PO(HHMM.JJJ)
855	855_DTL.XXX	ACK(HHMM.JJJ)
856	856_DTL.XXX	VSN(HHMM.JJJ)
862 (Header)	RSEQ_HDR.XXX	SH(HHMM.JJJ)
862 (Detail)	RSEQ_DTL.XXX	SD(HHMM.JJJ)

Validating Transactions

EDI validates inbound transactions according to a predefined set of rules for each transaction type. The two types of validation rules are interface errors and data errors.

Interface errors result from a conflict in the setup between the translator and SyteLine. Data errors are errors in the content of the data.

The inbound posting process validates each incoming transaction. If the transaction passes the validation, it proceeds to the posting process. The system identifies transactions that fail the validation process. For demand-side transactions, you can view errors on the **EDI Customer Orders** form by

selecting **Actions > List Error Log**. For supply-side transactions, each transaction has a corresponding report which you can run to review errors.

Posting Transactions to the ERP

To post inbound transactions to SyteLine automatically, set the **Auto-Post** flag for the Trading Partner to **`Inbound`** or **`Both`**. When loading transactions into the EDI tables, the system checks this option to determine if it should post the transactions automatically. Posting moves the data from the EDI tables to the normal SyteLine database tables.

The system validates all incoming transactions and posts to the system all transactions that have no errors. The program identifies any transactions that do not post because of an error and stores them in the EDI tables to be processed using the appropriate form.

If you set the **Auto-Post** flag to **`None`**, the system loads the transactions into the EDI tables with no further processing. You can then run reports to review the data before attempting to post the transactions into SyteLine normal database tables.

Processing Errors

For demand-side transactions, you can update the field on the screen when an inbound data field contains an error. This allows the transaction to be posted to SyteLine, but you must communicate this change to the trading partner. Some trading partners choose to delete the original transaction and retransmit it with the data corrected. Other trading partners require a Purchase Order Acknowledgment (855/ORDRSP), indicating the changes you have made to their order.

You can override some errors found in inbound data by turning off some of the validation for that trading partner. Examples of such errors include "Credit Limit Exceeded" or "Incorrect Unit Price."

For supply-side transactions (information is coming to you from your vendors), you cannot change data before posting. When errors occur, you can either override them in the SyteLine system itself or request that the data be retransmitted to you.

See Errors That Stop Demand EDI CO Transaction Posting on page 35and Errors That Stop Supply EDI Transaction Posting on page 71.

Online Error Log and Error Reports

Error reports are available for each incoming transaction. These reports start the validation process on the transaction and report all errors found in the transaction.

The reports include summary information for transactions with and without errors. You can print all error reports for a range of trading partners. Additional selection criteria are available for each specific transaction type.

Demand Side and Supply Side Inbound Transaction Steps

The process for demand and supply side inbound transactions is:

1. Set up your customer or vendor so that the inbound transactions are automatically posted. Set **Auto-Post** on the **EDI Customer Profiles** form or the **EDI Vendor Profiles** form to **`Inbound`** or **`Both`**).

   The system validates the transactions and then uses the validated transactions to create the customer order or purchase order acknowledgement.
2. If you do not set **Auto-Post** to **`Inbound`** or **`Both`**, you must post these transactions manually, using the **EDI Customer Orders** form or the **EDI Purchase Order Acknowledgements** form. You can edit the information on the EDI order before posting.
3. During posting, if the EDI Customer Profile is set up to generate acknowledgments, a copy of each order is placed in the EDI database tables. It can later send the order copies as acknowledgments.

About Outbound Transactions

The system prepares the outbound data for the translator and eventual export to your vendors and customers.

Outbound processes include the following:

- Creating records in Infor SyteLine EDI
- Sending data to the translator
- Resending outbound transactions
- Creating outbound reports
- Purging outbound transactions

Posting or printing an appropriate transaction in SyteLine initiates the outbound data flow. This action drives data into the EDI database tables.

The interface then extracts transactions from the EDI database tables and formats them into flat ASCII files that the translator will process.

You may send a customer purchase order acknowledgments. As the interface is processing an incoming purchase order, the system checks to see if the customer is to be sent purchase order acknowledgments. The purchase order acknowledgments are created in the database at the time the purchase orders are posted from EDI to SyteLine or by running the standard system **Order Verification Report** after the purchase order becomes a customer order in SyteLine.

Demand EDI Outbound Transactions

The Infor SyteLine EDI interface supports the outbound transactions to your customers that are described in these topics:

- Transmitting PO Acknowledgments (Outbound 855/ORDRSP): A copy of the customer order as accepted into SyteLine.
- Creating an EDI Invoice (Outbound 810/INVOIC): A copy of an SyteLine invoice.
- Creating an EDI Advance Ship Notice (Outbound 856/DESADV): A copy of the bill of lading.

Supply EDI Outbound Transactions

The Infor SyteLine EDI interface supports the outbound transactions to your vendors that are described in these topics:

- Creating an EDI Planned Purchase Order (Outbound 830/DELFOR): These transactions are generated from planned orders, which are created by the **MRP Planning** or **APS Planning** activity. The **Extract EDI Planning Schedules** utility reads through the **EDI Vendor Profiles** records, searching for vendors who are to be sent Planning Schedules. The utility then searches through the Vendor Contracts data for any records where the selected vendor is ranked first (RANK 1). When these items have been identified, the system reads through the EDI planned purchase orders and creates a record for the date and quantity of the planned order.
- Creating an EDI Purchase Order (Outbound 850/ORDERS): These transactions are generated from the SyteLine Purchase Order files. All regular purchase orders are extracted as 850/ORDERS transactions. Blanket purchase orders may be sent as 850/ORDERS if the **Export Blanket as Ship Sched** field on **EDI Vendor Profiles** is not selected. When the purchase order print routine is run, the system checks to see if the vendor is to be sent EDI purchase orders. If so, the data is extracted to the EDI database tables for further processing.
- Creating an Outbound EDI Shipping Schedule (Outbound 862/DELJIT): These transactions are generated from blanket purchase orders for vendors who have the **Export Blanket as Ship Sched** field on **EDI Vendor Profiles** selected. As is the case with the 850/ORDERS transaction, the data is exported to the EDI database tables when the purchase order print routine is run.

Creating Records in EDI

Infor SyteLine EDI creates a transaction record for outbound files.

Sending Data to the Translator

Data from the EDI database tables is formatted into a flat ASCII file. This formatted file is exported to the translator. The files are named as listed below, where the XXX suffix for datafiles corresponds to the Trading Partner code from the **EDI Parameters** form (both Supply and Demand), and the HHMM.JJJ indicates the time and Julian date for the archive file.

This table displays the file names for outbound transaction types.

Trans Type	Data Dir Filename	Archive Dir Filename
810 (Header)	IINV_HDR.XXX	INVH(HHMM.JJJ)
810 (Detail)	IINV_DTL.XXX	INVD(HHMM.JJJ)
830	830_WRK.XXX	830(HHMM.JJJ)
850	850_WRK.XXX	850(HHMM.JJJ)
855	855_IMP.XXX	ACK(HHMM.JJJ)

Trans Type	Data Dir Filename	Archive Dir Filename
856 (Header)	SSEQ_HDR.XXX	SEQH(HHMM.JJJ)
856 (Detail)	SSEQ_DTL.XXX	SEQD(HHMM.JJJ)
862	862_WRK.XXX	862(HHMM.JJJ)

Resending Outbound Transactions

If necessary, Infor SyteLine EDI can resend the outbound file. You can determine the range of information to be included in the files, and the program sets the **Posted** flag to **No**, at which time you can resend the outbound transactions.

Creating Outbound Reports

Infor SyteLine EDI creates reports on the outbound transactions according to the ranges that you specify.

Purging Outbound Transactions

Infor SyteLine EDI's purge utilities allow you to purge outbound files according to selected ranges. You can delete posted transactions only.

EDI Lock File Control

When two separate software packages transmit data via EDI, their transmission processes must not concurrently access the same data files. For example, synchronization problems occur if SyteLine EDI writes data to a flat file and the translator attempts to read the flat file at the same time. The system uses a lock mechanism to handle this problem.

When EDI needs to write information to a flat file, it first checks to see if a lock file exists.

Lock File Filenames

If you are using a translator other than those listed in About EDI Translators on page 10, you must make sure the translator checks for and creates the lock file. This section lists the lock file filenames you must use with your translator. Create the appropriate lock file when writing to or reading from the flat file.

The following table lists the name of the lock file for each transaction for supply-side EDI. Supply-side lock files reside in the supply-side Outbound Data Logical Folder.

TRANSACTION	X12 / EDIFACT	LOCK FILENAME
Outbound Planning Schedules	830 / DELFOR	830_LOCK
Outbound Purchase Orders	850 / ORDERS	850_LOCK

TRANSACTION	X12 / EDIFACT	LOCK FILENAME
Outbound Shipping Schedules	862 / DELJIT	862_LOCK
Inbound PO Acknowledgment	855 / ORDRSP	855_LOCK
Inbound Vendor Advanced Ship Notice	856 / DESADV	856_LOCK
Inbound Vendor Invoice	810 / INVOIC	810_LOCK

The following table lists the name of the Lock file for each transaction for Demand-side EDI. Demand-side lock files reside in the demand-side Outbound Data Logical Folder.

TRANSACTION	X12 / EDIFACT	LOCK FILENAME
Inbound CARaS EDI Ship Transactions	N/A	SHP_LOCK
Inbound Planning and Shipping Schedules	830 / DELFOR & 862 / DELJIT	REQ_LOCK
Inbound Purchase Orders	850 / ORDERS	ORD_LOCK
Outbound PO Acknowledgment	855 / ORDRSP	ACK_LOCK
Outbound Advanced Ship Notice	856 / DESADV	ASN_LOCK
Outbound Customer Invoice	810 / INVOIC	INV_LOCK

Lock File/Flat File Processing Logic

This section describes how EDI processes flat files. Your translator software should use the same logic.

EDI performs these steps when writing data to the flat files, in this order:

- Checks to see if the lock file is present in the Outbound Data Logical Folder.
- Creates the lock file.
- Outputs the transactions to the data file (appends if it already exists).
- Copies the data file to the Outbound Archive Logical Folder.
- Removes the lock file.

EDI performs these steps when reading data from the flat files, in this order:

- Checks to see if the lock file is present in the Outbound Data Logical Folder.
- Creates the lock file.
- Reads the transactions from the data file.
- Copies the data file to the archive logical folder.
- Removes the lock file.

About Radley/CARaS

This topic describes the CARaS utilities.
Note: SyteLine imports shipments from CARaS, allowing you to perform shipping in CARaS.

The SyteLine/CARaS interface includes four data-extraction utilities to export master file data from SyteLine and transfer it into CARaS. These utilities reduce the overhead of maintaining similar files in both SyteLine and CARaS. These utilities include:

- **CARaS Customer Address Extraction Utility** extracts customer addresses.
- **CARaS Part Master Extraction Utility** extracts item data for importing into the CARaS Part Master.
- **CARaS Commodity Code Extraction Utility** extracts commodity codes for importing into the CARaS Alpha Carrier Codes.
- **CARaS Ship Via Extraction Utility** extracts ship via codes for importing into the CARaS Alpha Carrier Codes.

Example: Editrans Log

This topic provides an example of an Editrans log.

Mar 3 2013 2:16PM AUTO-POST PROCESSING STARTED CO Shipping Transaction

Mar 3 2013 2:16PM AUTO-POST PROCESSING COMPLETED CO Shipping Transaction

Mar 3 2013 2:16PM AUTO-POST PROCESSING STARTED EDI Customer Order

Mar 3 2013 2:16PM 0 Customer Order(s) were posted.

Mar 3 2013 2:16PM AUTO-POST PROCESSING COMPLETED EDI Customer Order

Radley\CARaS EDI Transactions - Flat-File Layout

The flat-file definitions for the Radley/CARaS extraction programs are shown below.

This table describes CARAS Customer Address Extraction File Definition:

Field Description	Position	Length	Format	Notes/ Field
Undefined	1	8	AN	
Mode (hard coded)	9	1	AN	Hard Coded C
Undefined	10	10	AN	

Field Description	Position	Length	Format	Notes/ Field
Trading Partner Designator	20	7	AN	cust_tp.tp_code You can enter 17 characters in the Trading Partner field but SyteLine will only use 7 characters for exports.
Type (hard coded)	27	1	N0	Hard Coded 3
Cust. Name	28	35	AN	custaddr.name
Cust. Address 1	63	35	AN	custaddr.addr##1
Cust. Address 2	98	35	AN	custaddr.addr##2
Cust. City	133	30	AN	custaddr.city
Cust. State	163	2	AN	custaddr.state
Cust. Postal Code	165	15	AN	custaddr.zip
Cust. Country	180	10	AN	custaddr.country
Undefined	190	199	AN	

		298		Total Record Length

This table describes CARAS Commodity Code Extraction:

Field Description	Position	Length	Format	Notes/ Field
Undefined	1	12	AN	
Commodity Code	13	16	AN	commodity. comm_code
Commodity Desc.	29	30	AN	commodity.description
Undefined	59	96	AN	
Transaction Mode (hard coded)	155	1	AN	Hard Coded A
Undefined	156	400	AN	

		555		Total Record Length

This table describes CARAS Ship Via Extraction:

Field Description	Position	Length	Format	Notes/ Field
Undefined	1	10	AN	

Field Description	Position	Length	Format	Notes/ Field
CARaS Tables Name (hard coded)	11	10	AN	Hard Coded CARRIER
Carrier Code	21	4	AN	shipcode.ship_code
Undefined	25	10	AN	
Table Code Description	35	35	AN	shipcode. description
Mode (hard coded)	70	1	AN	Hard Coded A
Undefined	71	20	AN	

		90		Total Record Length

This table describes CARAS Part Master Extraction:

Field Description	Position	Length	Format	Notes/ Field
Undefined	1	8	AN	
Mode	9	1	AN	A=add, C=chg, D=Del
Undefined	10	10	AN	
Trading Partner Designa-tor	20	2	AN	cust_tp.tp_code
Item	22	30	AN	item.item
Undefined	52	10	AN	
Customer Item	62	30	AN	itemcust.cust_item
Item Description	92	30	AN	item.description
Undefined	122	60	AN	
Unit of Measure	182	2	AN	itemcust.u_m
Weight	184	10	N0	item.unit_weight
Undefined	194	30	AN	
Commodity Code	224	16	AN	item.comm_code
Price	240	10	N0	Calculated
Undefined	250	43	AN	
Pounds or Kilos	293	1	AN	if item.weight_units = "KG" then "K" else "L"
Undefined	294	81	AN	

Field Description	Position	Length	Format	Notes/ Field
Lead Time	375	4	N0	parms.due_period
Undefined	379	208	AN	

		586		Total Record Length

Replace and Release Logic

Shipping schedules that are received reflect the new quantities the customer is expecting, less any quantities from advance ship notices imported into the translator. (Customers may at anytime increase or decrease the quantity ordered.) All SyteLine customer order releases must be deleted and replaced with the new releases and quantities. Release processing for 830/862 EDI transactions uses "Replace Logic."

Replace logic deletes any SyteLine releases with 0 shipped quantities and updates any unfilled releases with a quantity shipped as "Filled." The new imported releases, less any shipped quantities on ASN not exported to the translator, are added to the SyteLine customer order.

The **EDI Customer Profile** form contains three fields that define replacement logic processing:

- **Release Processing**: When you select **`Replace`**, current 830 planning schedules (if imported) and 862 shipping schedule open order line releases are replaced with new incoming order line releases.
- **Generate Ship Notice**: Select this check box to automatically generate advanced shipping notices (ASNs) by printing the bill of lading for this customer. If this check box is selected, an ASN is also generated when you ship on the **Ship Confirmation** form. ASNs are used during posting of 830/862s to SyteLine to determine net requirements for imported releases. If 830/862s are being processed and this option is cleared, all shipments from SyteLine orders must be manually recorded in the translator before exporting data from the translator.
- **Replace Planning Schedules**: For each incoming EDI customer order that was created from an 830 (Planning Schedule) or 862 (Shipping Schedule) transaction and that is associated with this trading partner:
  - If this check box is selected, posting the order purges all unshipped SyteLine Customer Order Planning Schedules and Shipping Schedules associated with the order. It then posts the new Planning/Shipping Schedules to the associated order as new releases.
  - If this check box is cleared, posting the order retains SyteLine Customer Order Planning/Shipping Schedules whose due dates are later than the latest due date of the incoming EDI Customer Order Planning/Shipping Schedules for the associated order. All other unshipped SyteLine Customer Order Planning/Shipping Schedules will be purged.

Examples

The following examples help to illustrate what happens with different settings of these fields:

- Example situation 1 - Not generating ASN.

- Example situation 2 - Generating ASN but ASN is not exported.
- Example situation 3 - Generating ASN. ASN is exported.
- Example situation 4 - Generating ASN. ASN is not exported; 830/862 release data changes.
- Example situation 5 - Generating ASN. ASN is exported; 830/862 release data changes.
- Example situation 6 - Examples of Replace Planning Schedule flag impact.

EXAMPLE Situation 1: Not generating ASN

- Release Processing = Replace
- **Generate Ship Notice** is not selected
- **Replace Planning Schedules** is selected

The system assumes the incoming flat file accurately reflects the new requirements and will post the incoming requirements to the customer order exactly as they are.

The incoming 830/862 has the following release requirements for a single item.

Releases	Due Date	Qty Required
1	8/7	336
2	8/9	336
3	8/10	336
4	8/13	504
5	8/14	336
6	8/15	336

Scenario # 1:

Import the above requirements. The customer order will reflect releases 1 thru 6 for this particular line. Ship releases 1 and 2, then re-import the same requirements as shown above. The customer order will reflect 8 releases as shown in the following table:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/7	336		O
4	8/9	336		O
5	8/10	336		O
6	8/13	504		O
7	8/14	336		O
8	8/15	336		O

Scenario #2:

Assume the original 6 releases have been imported and posted to the customer order. Ship the total quantity for release 1 (336) but only ship 100 against release 2. Then re-import the same 6 releases and post. The customer order will show 8 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	100	F
3	8/7	336		O
4	8/9	336		O
5	8/10	336		O
6	8/13	504		O
7	8/14	336		O
8	8/15	336		O

Scenario # 3:

Assume the original 6 releases have been imported and posted against the customer order. Ship a quantity of 400 against release 1. Re-import the original 6 releases and post. The customer order will now have 7 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	400	F
2	8/7	336		O
3	8/9	336		O
4	8/10	336		O
5	8/13	504		O
6	8/14	336		O
7	8/15	336		O

Summary: If you do not activate the **Generate Ship Notice** option in the **EDI Customer Profile**, the incoming flat file must reflect the current customer requirements and will not take any prior requirements or changes into consideration when posting the incoming releases.

Example Situation 2: Generating ASN but ASN is not exported

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is selected
- ASN not exported for shipments

The system will replace the current line releases with the incoming requirements but will take into account prior shipments made.

The incoming 830/862 flat file has the following release requirements for a single item.

Releases	Due Date	Qty Required
1	8/7	336
2	8/9	336
3	8/10	336
4	8/13	504
5	8/14	336
6	8/15	336

Scenario #1:

Import the above requirements. The customer order will reflect releases 1 thru 6 for this particular line. Ship release 1, then re-import the same requirements as shown above. The customer order will reflect 6 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336		O
3	8/10	336		O
4	8/13	504		O
5	8/14	336		O
6	8/15	336		O

Scenario #2:

Import the original flat file to a new order. Ship 336 against release 2. Re-import the original flat file and the customer order will reflect 6 releases as follows:

Releases	Due Date	Released	Shipped	Status
2	8/9	336	336	F
3	8/7	336		O
4	8/10	336		O
5	8/13	504		O
6	8/14	336		O
7	8/15	336		O

Scenario #3:

Assume the original 6 releases have been imported and posted to a new customer order. Ship 336 against release 1 and 100 against release 2. Re-import the original 6 releases and post. The customer order will show 7 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	100	F
3	8/9	236		O
4	8/10	336		O
5	8/13	504		O
6	8/14	336		O
7	8/15	336		O

Scenario #4:

The original 6 releases have been imported and posted creating a new customer order. Ship 500 against release 1. Re-import the original 6 releases and post to the customer order. The customer order will now show 6 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	500	F
2	8/9	172		O
3	8/10	336		O
4	8/13	504		O
5	8/14	336		O
6	8/15	336		O

Scenario #5:

If you have an EDI order that you have been receiving requirements against when the **EDI Customer Profile** did not have the **Generate Ship Notice** check box selected, and then you turn on the generate ASN's the system will look at the shipments against the line to day and reduce the incoming Requirements by the quantities shipped. Using the same situation from Scenario #1, import the original file with the **Generate Ship Notice** check box cleared. Then ship releases 1 and 2 and import the same file again. The customer order will have 8 releases. Activate the ASN in the **EDI Customer Profile** and import the original 6 releases again. The posted customer order will show the following releases:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/10	336		O

Releases	Due Date	Released	Shipped	Status
4	8/13	504		O
5	8/14	336		O
6	8/15	336		O

In this case, the customer order had 8 releases and after turning on the generate ASN's and importing the same requirements again, the system replaced the 8 releases with the incoming requirements less quantities shipped to show the total requirements based on the last import. If releases 1 and 2 had not been on the new import, then the system would have adjusted releases 3 and 4 for the shipments previously made against this order.

Note: If you are using a translator with CUM capabilities, such as Radley's CARaS on page 18, you must export the ASNs prior to importing the 830/862s so that CARaS can adjust the incoming requirements appropriately.

Example Situation 3: Generating ASN. ASN is exported

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is selected
- ASN exported for shipments

In the previous examples we imported the same 830\862 requirements each time as a second import without generating and exporting ASN documents. These examples show what happens if the ASN document has been exported for shipments made.

The incoming 830/862 has the following release requirements for a single item.

Releases	Due Date	Qty Required
1	8/7	336
2	8/9	336
3	8/10	336
4	8/13	504
5	8/14	336
6	8/15	336

Scenario #1:

Import the above requirements. The customer order will reflect releases 1 thru 6 for this particular line. Ship releases 1, Generate and export the ASN for shipment. Then re-import the same requirements as shown above. The customer order will reflect 7 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F

Releases	Due Date	Released	Shipped	Status
2	8/7	336		O
3	8/9	336		O
4	8/10	336		O
5	8/13	504		O
6	8/14	336		O
7	8/15	336		O

Scenario #2:

Assume the original 6 releases have been imported and posted to a new customer order. Ship 336 against release 1 and 100 against release 2. Generate and export the ASN. Re-import the original 6 releases and post. The customer order will show 8 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	100	F
3	8/7	336		O
4	8/9	336		O
5	8/10	336		O
6	8/13	504		O
7	8/14	336		O
8	8/15	336		O

Scenario #3:

Assume the original 6 releases have been imported and posted to a new customer order. Ship 336 against release 1. Generate and export the ASN. Then ship 100 against release 2 but do not generate and export the ASN. Re-import the original 6 releases and post. The customer order will show 8 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	100	F
3	8/7	236		O
4	8/9	336		O
5	8/10	336		O
6	8/13	504		O

Releases	Due Date	Released	Shipped	Status
7	8/14	336		O
8	8/15	336		O

Because the 100 pieces shipped on release 2 were not exported to the trading partner they are deducted from the incoming releases on the second import.

Example Situation 4: Generating ASN. ASN is not exported; 830/862 release data changes.

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is selected
- ASN not exported for shipments.

In the previous examples we imported the same 830\862 requirements each time as a second import. This example shows what happens with replacement logic when different releases in the 830\862 file are being imported the second time.

Assume we import the same 830\862 release first time as before.

Releases	Due Date	Qty Required
1	8/7	336
2	8/9	336
3	8/10	336
4	8/13	504
5	8/14	336
6	8/15	336

We then ship 336 pieces on the 8/7 and 8/9 releases. We do not generate and export the ASN.

Then we import a new 830\862 with following releases:

Releases	Due Date	Qty Required
1	8/10	336
2	8/11	336
3	8/12	336
4	8/13	504
5	8/14	336
6	8/15	336

The customer order will show 6 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/12	336		O
4	8/13	504		O
5	8/14	336		O
6	8/15	336		O

Although this example appears to have dropped the requirements for 8/10 and 8/11 this is correct since the ASN was not exported. The system deducts the two shipments of 336 each from the new incoming 830/862 releases because the trading partner was not aware of the shipments.

Example Situation 5: Generating ASN. ASN is exported; 830/862 release data changes

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is checked
- ASN is exported for shipments.

In the previous example we imported 830\862 document with changed requirements as second import. This example shows what happens with replacement logic when a different releases are in the 830\862 file being imported the second time and ASN has been generated and exported.

Assume we import the same 830\862 release first time as before.

Releases	Due Date	Qty Required
1	8/7	336
2	8/9	336
3	8/10	336
4	8/13	504
5	8/14	336
6	8/15	336

We then ship 336 pieces on the 8/7 and 8/9 releases. This time we generate and export the ASN. Then we import a new 830\862 with following releases:

Releases	Due Date	Qty Required
1	8/10	336
2	8/11	336
3	8/12	336
4	8/13	504

Releases	Due Date	Qty Required
5	8/14	336
6	8/15	336

The customer order will show 8 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/10	336		O
4	8/11	336		O
5	8/12	336		O
6	8/13	504		O
7	8/14	336		O
8	8/15	336		O

Example Situation 6: Examples of Replace Planning Schedule impact.

This example shows the effect on releases due to the Replace Planning Schedules setting.

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is not checked
- ASN is exported for shipments.

Assume we import an 830\862 release as follows.

Releases	Due Date	Qty Required	Status
1	8/7	336	O
2	8/9	336	O
3	8/10	336	O
4	8/13	504	O
5	8/14	336	O
6	8/15	336	O
7	9/30	336	P
8	10/30	336	P
9	11/30	336	P
10	12/30	336	P

We then ship 336 pieces on the 8/7 and 8/9 releases. This time we generate and export the ASN.

Then we import a new 830\862 with following releases:

Releases	Due Date	Qty Required	Status
1	8/7	336	O
2	8/9	336	O
3	8/10	336	O
4	8/13	504	O
5	8/14	336	O
6	8/15	336	O
7	9/30	336	P
8	10/30	336	P
9	11/30	336	P

The customer order will show 10 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/10	336		O
4	8/13	336		O
5	8/14	336		O
6	8/15	504		O
7	9/30	336		P
8	10/30	336		P
9	11/30	336		P
10	12/30	336		P

This is because of the replace planning schedule flag is not checked so releases with later dates than the incoming 830\862 planning schedules are retained.

- Release Processing = Replace
- **Generate Ship Notice** is selected
- **Replace Planning Schedules** is selected
- ASN is exported for shipments.

Assume we import an 830\862 release as follows.

Releases	Due Date	Qty Required	Status
1	8/7	336	O
2	8/9	336	O
3	8/10	336	O
4	8/13	504	O
5	8/14	336	O
6	8/15	336	O
7	9/30	336	P
8	10/30	336	P
9	11/30	336	P
10	12/30	336	P

We then ship 336 pieces on the 8/7 and 8/9 releases. This time we generate and export the ASN.

Then we import a new 830\862 with following releases:

Releases	Due Date	Qty Required	Status
1	8/7	336	O
2	8/9	336	O
3	8/10	336	O
4	8/13	504	O
5	8/14	336	O
6	8/15	336	O
7	9/30	336	P
8	10/30	336	P
9	11/30	336	P

The customer order will show 9 releases as follows:

Releases	Due Date	Released	Shipped	Status
1	8/7	336	336	F
2	8/9	336	336	F
3	8/10	336		O
4	8/13	336		O
5	8/14	336		O
6	8/15	504		O

Releases	Due Date	Released	Shipped	Status
7	9/30	336		P
8	10/30	336		P
9	11/30	336		P

This is because the replace planning schedules flag is checked. Releases with dates later than the incoming 830\862 planning schedule are removed from the order.

Viewing EDI Inbound Purchase Order Transmission Errors

To view inbound order transmission errors, perform these steps:

1. Select **Actions > List Acknowledgment Errors** to show any errors that occurred during transmission of the acknowledgment. See Errors That Stop Supply EDI Transaction Posting on page 71 for more information.
2. Ask the sender to correct the errors and resend the acknowledgment.

Alternatively, generate the **Inbound PO Acknowledgment Report** to identify all errors for a range of acknowledgments.

Loading EDI Transactions

Note: This topic applies to demand- and supply-side EDI.

Use the **EDI Transaction Load Routine** form to import EDI transactions from the translator into SyteLine. If you use Auto Posting, this utility automatically posts the transactions and creates or updates the appropriate SyteLine records, such as customer orders, customer order lines and releases, CO ship records, and purchase orders.

For information about what to do with the different types of transactions after importing them (reviewing data, manual posting, and so on), see the appropriate "Receiving" topic.

1. In the **EDI Transaction Load Routine** form, select the appropriate Inbound**Logical Folder** that will hold the files to import.

   You must have the appropriate authorization to access the folder, in order to specify or change the folder name here.
2. Click **Files** to open the **File Maintenance** form for the logical folder.
3. Click **Upload** and browse to the files that you want to upload to the logical folder.
4. Select the files and click **Open**.

The files are added to the logical folder. You can see the list of uploaded files in the **File Maintenance** form.

5 To run the utility and begin loading transactions, click **Process**.

6 When the utility completes, switch to the **Logical Folder** that contains the log files produced by the utility.

Select a log file and click **View** to review it.

7 Click **Files** to open the **File Maintenance** form for the Log File Logical Folder.

8 Select a log file and click **View**to open it.

For information about errors that might stop transaction posting, see these topics:

- Errors That Stop Demand EDI CO Transaction Posting on page 35
- Errors That Stop Supply EDI Transaction Posting on page 71

Unloading EDI Transactions

Note: This topic applies to demand- and supply-side EDI.

SyteLine exports:

- Demand EDI data files to the OB (outbound) data logical folder, as defined in the **Demand EDI Parameters - Interface Setup** form, and
- Supply EDI data files to the OB data logical folder as defined on the **Supply EDI Parameters - Interface Setup** form.

1 In the **EDI Transaction Unload Routine** form, select the appropriate Outbound**Logical Folder** that will hold the files to import.

You must have the appropriate authorization to access the folder, in order to specify or change the folder name here.

2 To run this utility and unload transactions to the logical folder, click **Process**.

3 Optionally, review the log files for the process.

4 When the utility is finished, click **Files** to open the **File Maintenance** form for the logical folder.

5 Select the unloaded files in the logical folder that you want to download to a local drive.

6 Click **Download** and browse to the local drive and folder where you want to download the files.

Chapter 2: EDI Demand Processing

EDI Setup (Demand Side)

1 Use the **Demand EDI Parameters - Interface Setup** form to set up your logical folders for locating translator downloaded files.

This logical folder information is for all EDI trading partners.

2 Specify this information:

- Trading Partner code, which is used as the file suffix
- EDI and Ack prefixes
- Inbound archive and data logical folders and filename
- Outbound archive and data logical folders and filename
- Log file logical folder

Note: Filenames are case-sensitive in the Cloud and must be all uppercase, including the file suffix (Trading Partner Code).

3 Each customer may handle EDI data differently. To set up how each customer trading partner's specific data is handled, use the **EDI Customer Profiles** form.

Specify this information for each customer:

- Customer number, Ship To address, Trading Partner code, and Duns number
- How to handle planned releases
- Whether to generate and print invoices, ship notices, and acknowledgments
- Whether to automatically post inbound or outbound transactions
- How notes are processed.

Errors That Stop Demand EDI CO Transaction Posting

This topic describes the errors that may occur when posting EDI customer orders to SyteLine.

- Credit Limit Exceeded: The EDI customer order is over the customer's credit limit.
- Cust-PO is Blank: The EDI customer order does not contain a customer PO number when one was expected. Verify that the EDI customer order includes a valid customer PO number.
- Customer Contract Does Not Exist: The customer contract does not exist for the specified customer, item and customer item. Verify that the EDI order line/release contains a valid SyteLine customer contract with the customer, item and customer item combination.

- Invalid Customer: The customer on the EDI customer order is not a valid customer. Verify that the customer exists on the EDI order.
- Invalid Item: The item number on the EDI customer order blanket line is not a valid SyteLine item. Verify that the item of the EDI order blanket line is a valid SyteLine item.
- Invalid Order Type: The EDI customer order type is not a valid order type of Regular or Blanket. Verify the EDI order type.
- Invalid Price Code: An invalid price code was found on the EDI customer order line or EDI customer order blanket line.
- Invalid Ship-Via: The ship via code on the EDI order is invalid.
- Invalid Unit of Measure: The EDI Customer Order Line/Release unit of measure is not valid. Verify the EDI Order Line/Release contains a valid SyteLine unit of measure.
- Invalid Unit Price: The price imported on the EDI customer order line/release does not match the SyteLine calculated price. Verify which price is correct and make the appropriate change.
- Item Is Obsolete and Cannot Be Posted to an Order: There is a blanket line without any releases and the blanket line item is not found in the item table.
- More than one Cust PO exists where Order is xxx: More than one customer PO number is assigned to one SYS CO number in the header file.
- Not One Item Price Exists: No pricing is set up in SyteLine for this item. Add either an item pricing record or a customer-item cross-reference pricing record for this item.
- Order Already Exists: An SyteLine customer order already exists for the incoming EDI customer order and the SyteLine order is not an EDI order.
- Order must be Blanket: The EDI customer order attempted to update an SyteLine order that was an EDI order, but was not the specific EDI order type (BCO/BPO/RPO).
- Unable to Add More Order Line Items: The EDI customer order attempted to update an SyteLine order with 9999 or more line/releases. To correct, close the current order and line, and open a second order and line.
- Unable to Add More Blanket Releases: The maximum number of blanket releases, 9999, has been reached for a particular blanket line.
- Warehouse for Item Is Invalid: The Item-Warehouse record for the item on the EDI customer order blanket line does not exists. Verify that the item and warehouse of the EDI order blanket line are valid.
- XRef not Permitted: The EDI customer order attempted to update an SyteLine order with a line/release cross-referenced to a job or item. An update of SyteLine orders with cross-referenced line/releases is not permitted. Remove the cross reference.

Inbound Demand Transactions

About On-Hand Quantities and Locations

On the **Inventory Parameters** form, if the **On-Hand Neg** check box is also selected, the **EDI Transaction Load Routine** sets the item stockroom location for a CO shipping transaction to the Rank 1 location, or, if the item is lot-tracked, the system selects the location in lot number order. If there is

not enough on-hand quantity at that location to fill the order, the EDI record displays in the **Customer Order Shipping Error Processing** form with an error stating that there is not enough available on-hand quantity at the location. To force the use of that location, select the **Override** check box on that form and then click **Post** to post the order.

If the **On-Hand Neg** check box is not selected, the routine selects an item stockroom location that has sufficient on-hand quantity to fill the order, and then posts the order. If there is no location that has sufficient on-hand quantity, the routine uses the last location in the list as the default location, and then displays the EDI record in the **Customer Order Shipping Error Processing** form.

Inbound Demand EDI Transactions - Flat-File Layout

This topic describes the flat-file layout for inbound demand EDI transactions.
Note:

DT = Date

AN = Alphanumeric

N* = Numeric (2nd digit = the number of decimal places)

Field Length: Each file must be the exact length designated in this file layout. Each field's starting position must match the file layout. If your values are shorter than the field length specified here, the value is padded with blanks to fill the length of the field so that each field starts in the correct position.

850 Purchase Orders

EDI 850 purchase orders are customer orders in SyteLine. They can be regular or blanket orders. The transaction code is RPO (Regular Purchase Order). SyteLine does not handle 860 transactions (Purchase Order Change).

The load program reads the transaction type on each record of the translator supplied import files located on columns 40-42. The transaction type determines how the load program handles the data.

The transaction types are as follows.

CO Header	100
CO Header Text	110, 145, 170
Contact and Phone	115, 150
Terms	120
Tax	140
CO Line Item	300
Expire/Effective Dates	305
Line Item Text	310, 370
Line Item Discount	320

The ship-to location normally comes in on the 100 transaction type. An EDI customer order is created and all the 300 transaction types create line items for it. The ship-to location can also be sent in on the 300 transaction type instead of the 100 transaction. When this occurs a new EDI customer order is created for each different ship-to location with the same PO number.

850 Purchase Orders Import Flat File Layout

This table describes record type 100.

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	2	AN	`cust_tp_mst.tp_code`, `edi_co_mst.tp_code`
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`
Order Date	25	8	DT	`edi_co_mst.order_date` Format = YYYYMMDD
Undefined	33	7	AN	
Record Transaction Type	40	3	AN	100
Undefined	43	11	AN	
Destination (Ship To) Code	54	5	AN	`cust_tp_mst.tp_code`
Undefined	59	15	AN	
Transaction Type	74	3	AN	`edi_co_mst.trx-code` If 850 then RPO else POC
Undefined	77	96	AN	
Order Type	173	2	AN	`edi_co_mst.type` If BE or BK then B else R
Undefined	175	75	AN	
Phone Number	250	20	AN	`edi_co_mst.phone`, include dashes Ex: 614-888-1234
Undefined	270	305	AN	
User-Defined Character Field 1	575	20	AN	`edi_co_mst.charfld1` Radley Undefined
User-Defined Character Field 2	595	20	AN	`edi_co_mst.charfld2` Radley Undefined
User-Defined Character Field 3	615	20	AN	`edi_co_mst.charfld3` Radley Undefined
User-Defined Date Field	635	8	DT	`edi_co_mst.datefld` Radley Undefined Format = YYYYMMDD

Field Description	Position	Length	Format	Field or Notes
User-Defined Decimal Field 1	643	12	N2	`edi_co_mst.decifld1` Radley Undefined
User-Defined Decimal Field 2	655	12	N2	`edi_co_mst.decifld2` Radley Undefined
User-Defined Decimal Field 3	667	12	N2	`edi_co_mst.decifld3` Radley Undefined
User-Defined Logic Field	679	3	AN	`edi_co_mst.logifld` Radley Undefined YES or NO
Undefined	682	343	AN	
		1024		Total Record Length

This table describes record types 110, 145, and 170.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	110, 145, or 170
Undefined	43	130	AN	
Order Header Notes 1	173	40	AN	`SpecificNotes.NoteContent`
Order Header Notes 2	213	40	AN	`SpecificNotes.NoteContent`
Undefined	253	772	AN	
		1024		Total Record Length

This table describes record types 115 and 150.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	115 or 150
Undefined	43	129	AN	
Contact	172	15	AN	`edi_co_mst.contact`
Undefined	187	22	AN	

Field Description	Position	Length	Format	Field or Notes
Phone Number	209	20	AN	`edi_co_mst.phone` Format: include dashes. Example: 614-888-1234 This overrides phone in Record Type 100
Undefined	229	796		
		1024		Total Record Length

This table describes record type 120.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	120
Undefined	43	127	AN	
Terms	170	2	AN	`edi_co_mst.terms_code`
Undefined	172	2	AN	
Order Discount	174	6	N6	`edi_co_mst.disc` **Note:** If you use the 120 record, this field should always contain a value. The field should never contain blanks, which translate to NULL values that are not validated. It also cannot contain a decimal point. The decimal point is hard-coded between the second and third character. Examples: 999999 = 99.9999 % 020000 = 2.0000 % 000000 = 0%
Undefined	180	845	AN	
		1024		Total Record Length

This table describes record type 140.

Record Type 140 triggers the setting of edi_co_mst.tax_code1 to shipcust_mst.tax_code1 or customer.tax_code1.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	edi_co_mst.cust_po
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	140
Undefined	43	982	AN	
		1024		Total Record Length

This table describes record type 300.

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	2	AN	cust_tp_mst.tp_code, edi_co_mst.tp_code
Purchase Order Number	3	22	AN	edi_co_mst.cust_po
Undefined	25	9	AN	
External Reference	34	6	AN	edi_coitem_mst.ext_ref
Record Transaction Type	40	3	AN	300
Undefined	43	11	AN	
Destination (Ship To) Code	54	5	AN	cust_tp_mst.tp_code
Undefined	59	85	AN	
Alternate Destination Code	144	15	AN	cust_tp_mst.tp_code
Undefined	159	31	AN	
Customer Item	190	30	AN	edi_cobln_mst.cust_item, edi_coitem_mst.cust_item
Item	220	30	AN	edi_cobln_mst.item, edi_coitem_mst.item
Line/Release Quantity	250	9	AN	edi_coitem_mst.qty_ordered_conv
Unit Of Measure	259	2	AN	edi_cobln_mst.u_m, edi_coitem_mst.u_m

Field Description	Position	Length	Format	Field or Notes
Price	261	14	N5	edi_cobln_mst.cont_price_conv, edi_coitem_mst.price_conv
Price Code	275	2	AN	edi_cobln_mst.pricecode, edi_coitem_mst.pricecode
Undefined	277	68	AN	
Line/Release Due Date	345	8	DT	edi_coitem_mst.due_date Format = YYYYMMDD When the Line/Release Due Date is blank, the Load Routine calculates the date from the Order Date plus an Offset. The system searches in this order for an offset (Std Due period): Customer Contract, Item, Order Entry Parameter.
Undefined	353	4	AN	
Blanket Quantity	357	9	AN	edi_cobln_mst.blanket_qty_conv
Undefined	366	60	AN	
Line/Release Notes 1	426	40	AN	SpecificNotes.NoteContent - Radley Undefined
Line/Release Notes 2	466	40	AN	SpecificNotes.NoteContent - Radley Undefined
Undefined	506	519	AN	
		1024		Total Record Length

This table describes record type 305 (blanket lines only).

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	edi_co_mst.cust_po
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	305
Undefined	43	578	AN	
Date Qualifier	621	3	AN	001,036, 093, 007, or 092

Field Description	Position	Length	Format	Field or Notes
Expiration/Effective Date	624	8	DT	`edi_cobln_mst.exp_date` when Date Qualifier = 001, 036, or 093 or `edi_cobln_mst.eff_date` when Date Qualifier = 007 or 092. Format = YYYYMMDD
Undefined	632	393	AN	
		1024		Total Record Length

This table describes record types 310 and 370.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`, `edi_coitem_mst.cust_po`
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	310 or 370
Undefined	43	130	AN	
Order Line/Release Notes 1	173	40	AN	`SpecificNotes.NoteContent`
Order Line/Release Notes 2	213	40	AN	`SpecificNotes.NoteContent`
Undefined	253	772	AN	
		1024		Total Record Length

This table describes record type 320.

Field Description	Position	Length	Format	Field or Notes
Undefined	1	2	AN	
Purchase Order Number	3	22	AN	`edi_co_mst.cust_po`
Undefined	25	15	AN	
Record Transaction Type	40	3	AN	320
Undefined	43	131	AN	
Discount	174	6	N0	Example: 020000 = 2%

Field Description	Position	Length	Format	Field or Notes
Undefined	180	845		
		1024		Total Record Length

830 Planning Schedules/862 Shipping Schedules

Planning schedules and shipping schedules are blanket customer orders primarily used by Automotive Trading Partners. Both transactions provide information for common (same) customer orders. Planning schedules include more long-range planning information and commonly are received once a week. Shipping schedules include firmed release information, along with some planning information, and may be received multiple times a day. It is common to receive a shipping schedule release for a given quantity and later receive the same release for a different quantity. Release quantities also may vary due to quantities already shipped.

Customer blanket orders created by 830/862 EDI transactions are originally created in one of two ways: by PO number or by the translator order number. If all items to be shipped have a common PO number, then all items are added to a customer order based on the PO number. These are known as EDI customer order transaction code BPO (Blankets by PO number). The EDI transaction code (for example, EDI-BPO) is placed in the system **Customer Orders** form's **Taken By** field.

It is more common, however, that each item has its own PO number. This creates a problem in that multiple items with unique PO numbers create a new EDI customer order for each PO number.

In this case, a customer order number is added in the translator. The translator passes this order number for each item of that order. an SyteLine customer order is created using the order number entered in the translator as the SyteLine order number. All items with that order number are mapped to the same SyteLine order. These are known as EDI customer order transaction code BCO (Blankets by Customer Order number).

The item's PO number may change at any time and must be included on the returned 856 Advance Ship Notice. To accomplish this, a release PO number is added for each BCO (Blanket by Customer Order) release.

830 Planning/862 Shipping Schedules Import Flat File Layout

This table displays information about the header section of the import flat file:

Field Description	Position	Length	Format	Field or Notes
EDI Flat File Extension	1	8	AN	`edi_parms_mst.tp_code`
Trading Partner Code	9	2	AN	`cust_tp_mst.tp_code`

Field Description	Position	Length	Format	Field or Notes
Item	11	30	AN	`edi_coitem_mst.item`, `edi_cobln-item.item` If the incoming **Item** value is blank, the system uses the incoming **Customer Item**number to read the customer contracts table. If a record exists, it uses the associated item number to populate `edi_coitem_mst.item` and `edi_cobln_mst.item` .
Significant PO key field	41	22	AN	Batch purchase orders only, ties header and detail
Undefined	63	6	AN	
Destination (Ship To) Code	69	5	AN	`cust_tp_mst.tp_code`
Customer Item	74	30	AN	`edi_coitem_mst.cust_item`, `edi_cobln_mst.cust_item`
Record Type (Single Flat-File Only)	104	1	N0	1 = Header Record Radley Undefined
Undefined	105	506	AN	
Order Unit Of Measure	611	2	AN	`edi_coitem_mst.u_m`
Undefined	613	153	AN	
Customer Order Number	766	10	AN	`edi_co_mst.sym-co-num`, `edi_cobln_mst.co-num`, `edi_coitem_mst.co-num` (BCOs only)
Undefined	776	262	AN	
		1037		Total Record Length

This table displays information about the details section of the import flat file:

Field Description	Pos	Len	Format	Field or Notes
EDI Flat File Extension	1	8	AN	`edi_parms_mst.tp_code`
Trading Partner Code	9	2	AN	`cust_tp_mst.tp_code`

Field Description	Pos	Len	Format	Field or Notes
Item	11	30	AN	`edi_coitem_mst.item`, `edi_cobln-item.item`. I f the incoming **Item** value is blank, the system uses the incoming **Customer Item** number to read the customer item cross-reference table. If a record exists, it uses the associated item number to populate `edi_coitem_mst.item` and `edi_cobln_mst.item`.
PO Significant PO key field	41	22	AN	BPOs only
Undefined	63	6	AN	
Destination (Ship To) Code	69	5	AN	`cust_tp_mst.tp_code`
Release Status	74	2	AN	edi_coitem_mst.stat if 10 or 20 then "O" else "P"
Due Date	76	8	DT	`edi_coitem_mst.due_date` - Use Promised Date (positions 216-223), but if Promised Date is blank or zero, use this Due Date (positions 76-83). Format = YYYYMMDD
Undefined	84	20	AN	
Record Type (Single Flat-File Only)	104	1	N0	2 = Detail Record Radley Undefined
Undefined	105	79	AN	
Quantity Ordered	184	7	AN	`edi_coitem_mst.qty_ordered`
Undefined	191	17	AN	
Release Date	208	8	DT	`edi_coitem_mst.release_date` Format = YYYYMMDD
Promised Date	216	8	DT	`edi_coitem_mst.promise_date` Format = YYYYMMDD
Undefined	224	4	AN	
Purchase Order Number	228	22	AN	`edi_co_mst.cust_po`, `edi_coitem_mst.cust_po`

Field Description	Pos	Len	Format	Field or Notes
Undefined	250	65	AN	
Record Type Code	315	3	AN	830 or 862
Undefined	318	19	AN	
Release Status	337	1	AN	`edi_coitem_mst.stat` if S then "O" else if F then "P" If exists it overrides position 74
Undefined	338	540	AN	
		877		Total Record Length

Radley Shipper Interface Import Flat File Layout

This table displays information about the header section of the import flat file:

Field Description	Position	Length	Format	Field or Notes
Transaction Type	1	1	N0	Ties header and detail
Company Code	2	8	AN	Ties header and detail
Trading Partner Designa-tor	10	2	AN	Ties header and detail
Shipper Number	12	30	AN	Ties header and detail
Undefined	42	60	AN	
Ship Date	102	8	DT	`dcco_mst.trans_date` (date portion) Format = YYYYMMDD
Ship Time	110	4	N0	`dcco_mst.trans_date` (time portion) Format = HHMM
Undefined	114	223	AN	
Customer Order Number	337	10	AN	`dcco_mst.co_num`
Undefined	347	686	AN	
		1032		Total Record Length

This table displays information about the detail section of the import flat file:

Field Description	Position	Length	Format	Field or Notes
Transaction Type	1	1	N0	Ties header and detail
Company Code	2	8	AN	Ties header and detail

Field Description	Position	Length	Format	Field or Notes
Trading Partner Designator	10	2	AN	Ties header and detail
Shipper Number	12	30	AN	Ties header and detail
Item	42	30	AN	`coitem_mst.item`, `dcco_mst.item`
Undefined	72	30	AN	
Quantity Shipped	102	7	N0	`dcco_mst.qty_shipped`
Unit Of Measure	109	2	AN	`dcco_mst.u_m`
Undefined	111	294	AN	
Customer Order Number	405	10	AN	`coitem_mst.co_num`, `dcco_mst.co_num` (used if header customer order number is blank)
Undefined	415	680	AN	
		1094		Total Record Length

Receiving an EDI Planning Order or Shipping Schedule (830 or 862)

1. Import data into SyteLine. To import the Planning Order (830/DELFORS) or Shipping Schedule (862/DELJIT) transaction from your customer, use the **EDI Transaction Load Routine**. When the data is imported, it creates EDI customer blanket orders and line/releases.
2. You can review and update the order data before posting it to the system, using these forms:
   - **EDI Customer Orders**
   - **EDI Customer Order Blanket Lines**
   - **EDI Customer Order Blanket Releases**
3. Post the orders. You can post the orders manually or allow EDI to post them automatically, depending on how you set the **Auto-Post** option on the **EDI Customer Profiles** form:
   - If you set **Auto-Post** to **`Inbound`** or **`Both`**, EDI automatically validates and posts the orders to SyteLine.
   - If you set **Auto-Post** to **`Outbound`** or **`Neither`**, you must post the orders to SyteLine manually from the **EDI Customer Orders** form's **Actions** menu. When posted, these orders create SyteLine customer orders.
   - **Actions > Post Current**: Posts the current EDI CO to SyteLine.
   - **Actions > Post All**: Posts all valid EDI COs to SyteLine at the same time.

If the system detects any errors during posting, you can do either of the following:

- To view the errors for a specific newly-created order, go to the **EDI Customer Orders** form and select **Actions > List Errors**.
- To view a list of all errors that occurred when the system received the inbound EDI purchase orders, go to the **Inbound Purchase Order Error Report**.

Receiving a Radley EDI Shipping Transaction

1. Import data into SyteLine. To import the EDI CO shipping transaction from your customer, use the **EDI Transaction Load Routine**.
2. Post the orders. You can post the orders manually or allow EDI to post them automatically, depending on how the **Auto-Post** option is set on the **EDI Customer Profiles** form:
   - If you set **Auto-Post** to **`Inbound`** or **`Both`**, EDI automatically validates and posts the shipping transactions to the system. The **Data Collection Parameters** form's **Auto-Post Shipping** check box must also be selected in order for Radley EDI Customer Order Shipping transactions to be automatically posted.
   - If you set **Auto-Post** to **`Outbound`** or **`Neither`**, you must post the transactions to the system manually using the **Customer Order Shipping Error Processing** form. When posted, these transactions create system shipping transactions for existing customer orders.

If the system detects any errors during posting, you can correct the data using the **Customer Order Shipping Error Processing** form, and then repost the transactions. See Errors That Stop Supply EDI Transaction Posting on page 71 for more information.

Receiving an EDI Purchase Order (850/ORDERS)

1. Import data into SyteLine. To import the Purchase Order 850/ORDERS transaction from your customer, use the **EDI Transaction Load Routine**. When the data is imported, it creates EDI customer orders.
2. You can review and update the order data before posting it to SyteLine, using these forms:
   - **EDI Customer Orders**
   - **EDI Customer Order Lines**
3. Post the orders. You can post the orders manually or allow EDI to post them automatically, depending on how you set the **Auto-Post** option on the **EDI Customer Profiles** form:
   - If you set **Auto-Post** to **`Inbound`** or **`Both`**, EDI automatically validates and posts the orders to SyteLine.
   - If you set **Auto-Post** to **`Outbound`** or **`Neither`**, you must post the orders to SyteLine manually from the **EDI Customer Orders** form's **Actions** menu. When posted, these orders create SyteLine customer orders.
     - **Actions > Post Current**: Posts the current EDI CO to SyteLine.
     - **Actions > Post All**: Posts all valid EDI COs to SyteLine at the same time.

If the system detects any errors during posting, you can do either of the following:

- To view the errors for a specific newly-created order, go to the **EDI Customer Orders** form and select **Actions > List Errors**.
- To view a list of all errors that occurred when SyteLine received the inbound EDI purchase orders, go to the **Inbound Purchase Order Error Report**.

Making Changes to EDI Customer Order Lines

This topic describes the process of making changes to an EDI customer order line.

Adding Lines to an EDI Customer Order

After you add or update a line item, the customer's credit balance adjusts. If the new credit balance is greater than the customer's credit limit, an error message displays.

If the customer's posted balance is greater than the customer's credit limit, an error message displays.

Updating EDI Customer Order Line/Releases

You cannot update the **Item** field for any line that has a quantity ordered value greater than zero.

When you update a line item quantity, you should click the **Reprice** button. This updates the unit price to reflect any change to the unit price in the **Items** form. (You can also clear the **Unit Price** field and move the cursor onto another field to perform an automatic reprice.)

For example, on June 15, a customer orders five items at $20.00/item. On June 16, the **Unit Price** on the **Items** form changes to $22.00. If on June 17, you update the EDI customer order to six items, the items remain priced at $20.00/item (according to the EDI customer order), unless you click **Reprice** to access the most recent Items Unit Price. The system then changes the price of each of the six items to reflect the new unit price of $22.00/item.

If you change the **Qty Ordered** field, the **Alloc Order** field adjusts automatically.

Deleting a Line/Release

To delete a line/release, either of the following must be true:

- The status of the EDI customer order line/release must be Planned.
- The fields **Qty Ordered**, **Qty Shipped**, and **Qty Returned** must each have a zero value.

Shipping Information

The **General** and **Drop Ship** tabs display order shipping information for each line item. Use this file for tracking shipment information for any EDI customer order that has shipments delivered to more than one Ship To location.

You can specify the location to which to ship a particular line/release item. You can also change the existing location.

You can add or update a drop shipment at any time until you fully ship the line/release.

Note: After you change the drop ship location for a line/release, there is no record of the line/release's previous drop ship location. For this reason, we suggest you add a separate line/release if you want to change the drop ship location.

Because of invoicing requirements, you can only use established customers from the Customers file as drop ship addresses.

Tax Information

When you add a drop ship customer to an EDI customer order line item, the system compares the tax code of the drop ship customer, the tax code of the existing customer, and the tax code of the EDI customer order line item to determine if you must change the line item tax code.

In an area-based system, the tax code of the newly added drop ship customer might be different than the tax code of the original customer. If so, the system changes the EDI customer order line item tax code to the tax code of the newly added drop ship customer. However, if the tax code of the EDI customer order line item is a rate-type tax code and the newly added drop ship tax code is equal to the original customer's tax code, the system blanks out the line item tax code.

In an item-based tax system, the tax code of the newly added drop ship customer might be different than the tax code on the EDI customer order line item. If so, the system changes the EDI customer order line item tax code to the tax code specified in the **Tax Codes for Items by Jurisdiction** form. The system retrieves this record based on the item number you entered for this line item and the jurisdiction of the exempt code on the drop ship customer.

Note: This action occurs only if the exempt code on the drop ship customer has a non-zero rate, the jurisdiction is not blank, and a record exists in the **Tax Codes for Items by Jurisdiction** form.

The system asks whether you want to overwrite the tax code at the EDI customer order line item with the drop ship tax code. You can choose to leave the tax code as is, or change the tax code.

Note: If the **Prompt on Line Item** field on the **Tax Systems** form is not selected, the system changes the tax code without asking you to verify that you want to make the change.

Making Changes to EDI CO Blanket Line/Releases

This topic describes the process of making changes to an EDI CO blanket line/release.

Updating a Blanket Line

When updating a blanket line, you can update the **Item** field only if you change the status of the order to Planned, or the status is Ordered and you change the **Blanket Quantity** field to `0` (zero).

Deleting a Blanket Line/Release

To delete a blanket line/release, either of the following must be true:

- The status of the EDI customer order blanket line/release must be Planned.

- The fields **Qty Ordered**, **Qty Shipped**, and **Qty Returned** must each have a value of **0** (zero).

Logging

If the line does not have any releases, no logging activity occurs because the line does not have value.

The following activities create entries in the activity log:

- Adding an EDI customer order blanket line/release item with a status of Ordered.
- Adding an EDI customer order blanket line/release item with a status of Ordered using the copy command.
- Adding an EDI customer order blanket line/release item with a status of Ordered using EDI.
- Changing the status of an EDI customer order blanket line/release item from Planned to Ordered.
- Updating an EDI customer order blanket line/release item with changes to the **Qty Ordered**, **Unit Price**, and **Due Date** fields.
- Deleting an EDI customer order blanket line/release item.
- Updating an EDI customer order level discount.

  When you change an EDI customer order level discount, the system creates a new EDI customer order item log record for each line/release item that has a status of Ordered.
- Changing the **Unit of Measure** field on the EDI blanket line item.

When Credit Limits Are Exceeded in EDI Customer Orders

How the system handles EDI customer orders for customers who have exceeded their credit limit depends on fields you select on the **EDI Customer Profiles** form and **A/R Parameters** form.

- To prevent EDI customer orders from posting to the system when the credit limit is exceeded, on the **EDI Customer Profiles** form, select the **Validate Credit Limit** field.

  However, by selecting the **Limit Exceeded Credit Hold Reason** field on the **A/R Parameters** form, you can let the system automatically post the customer order and place the order on credit hold if the customer's credit limit is exceeded.
- To allow all EDI customer orders to post to the system without regard to credit status, clear both these fields.

Outbound Demand Transactions

Outbound Demand EDI Transactions - Flat File Layout

This topic describes the flat file layout for outbound demand EDI transactions.
Note:

- Explanation of Formats: DT = Date AN = Alphanumeric N* = Numeric (2nd digit = the number of decimal places)
- Field Length: Each file must be the exact length designated in this file layout. Each field's starting position must match the file layout. If your values are shorter than the field length specified here, the value is padded with blanks to fill the length of the field so that each field starts in the correct position.

810 Invoice Export

If the **Generate Invoices** field on the **EDI Customer Profiles** form is selected for the trading partner associated with the invoiced customer order, invoices are generated during the invoice printing process.

810 Invoice Export Flat File Layout

Caution: To convert to a single flat file for use with translators other than Radley, on the **Demand EDI Parameters - Interface Setup** form, the **Generic Interface** field must be selected.

Caution: If the value in an SyteLine Freight, Misc Charges, Sales Tax, Prepaid Amount, or Total record contains more than 10 digits (for example, a US dollar amount greater than $99,999,999.99), the additional digits are truncated from the right side in the flat-file record.

This table describes the fields for Map Identifier Record (For translators other than Radley):

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`cust_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
SY1 Designator (hard_coded)	8	3	AN	Hard Coded SY1
Transaction Type Number	11	6	AN	Hard Coded 810

This table describes the fields for Header:

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Record Type		1	1	N0	1 = Header
	1 Trading Partner Designator	2	2	AN	`cust_tp_mst.tp_code`

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Invoice Number	3	4	12	N0	`edi_inv_hdr_mst.inv_num` The invoice number length is determined by the **Invoice Length** field on the **Order Entry Parameters** form. However, the full 12 characters for this field in the EDI file should be pre-served.
Undefined	15	16	18	AN	If you use an invoice number length less than 12, this **Unde-fined** field appears to have ad-ditional space available. If you use this undefined field, pre-serve its defined starting charac-ter and length.
Destination	33	34	5	AN	`substring(cust_tp_mst.tp_code,3,5)` for ship-to customer
Undefined	38	39	5	AN	
Invoice Date	43	44	8	DT	`edi_inv_hdr_mst.inv_date` Format = YYYYMMDD
Invoice Type	51	52	2	AN	`cust_tp_mst.inv_code`
ASN Number	53	54	30	AN	`do_hdr_mst.do_num` or `edi_bol_mst.asn_num`
Purchase Order Number	83	84	22	AN	`edi_inv_hdr_mst.cust_po`
Purchase Order Date	105	106	8	DT	`rma_mst.rma_date`, `co_mst.order_date`, or `edi_co_mst.order_date`. Format = YYYYMMDD
Undefined	113	114	53	AN	
Ship Date	166	167	8	DT	`edi_inv_hdr_mst.ship_date` Format = YYYYMMDD
Undefined	174	175	67	AN	

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Discount Percent-age	241	242	5	N0	items_mst.disc_pct
Undefined	246	247	10	AN	
BOL Number	256	257	30	AN	symedi_edi_bol_mst.bol_num
Undefined	268	287	117	AN	
Terms code	403	404	2	AN	symedi_edi_inv_hdr_mst.terms_code (last character truncated)
Undefined	405	406	2	AN	
Discount Days	407	408	3	N0	items_mst.disc_days
Due Days	410	411	3	N0	items_mst.due_days
Undefined	413	414	13	N0	
Prox Day	426	427	2	N0	items_mst.prox_day
Undefined	428	429	103	N0	
A-OR-C	531	532	1	AN	if Prepaid then "A" else ""
A-OR-C	532	533	1	AN	if Misc Chg then "C" else ""
A-OR-C	533	534	1	AN	if Freight then "C" else ""
A-OR-C	534	535	1	AN	if Sales Tax then "C" else ""
Undefined	535	536	201	AN	
AC-AMOUNT	736	737	10	N0	edi_inv_hdr_mst.prepaid_amt
AC-AMOUNT	746	747	10	N0	edi_inv_hdr_mst.misc_charges
AC-AMOUNT	756	757	10	N0	edi_inv_hdr_mst.freight
AC-AMOUNT	766	767	10	N0	edi_inv_stax_mst.sales_tax
Undefined	776	777	365	AN	
AC-TOTAL	1141	1142	10	N0	AC-AMOUNT Total
Undefined	1151	1152	8	AN	
Import Export Flag	1159	1160	1	N0	Hard Coded 0 - zero

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Undefined	1160	1161	652	AN	
	1811		1812		Total Record Length

This table describes the fields for Detail:

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Record Type		1	1	N0	2 = Detail
Trading Partner Desig-nator	1	2	2	AN	`cust_tp_mst.tp_code`
Invoice Number	3	4	12	N0	`edi_inv_item_mst.inv_num`
Undefined	15	16	18	AN	
Out Part Number	33	34	30	AN	`edi_inv_item_mst.item`
Undefined	63	64	30	AN	
Destination	93	94	5	AN	`substring(cust_tp_mst.tp_code,` 3,5) for ship-to customer
Undefined	98	99	5	AN	
Customer Part Num-ber	103	104	30	AN	`coitem.cust_item`, `co_bln.cust_item`
Purchase Order Num-ber	133	134	22	AN	`edi_inv_item_mst.cust_po`
Purchase Order Line	155	156	4	AN	`edi_inv_item_mst.co_line`
Undefined	159	160	16	AN	
Purchase Order Re-lease	175	176	4	AN	`edi_inv_item_mst.co_release`
Undefined	179	180	26	AN	

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Invoiced Quantity	205	203	10, 13	N0	`edi_inv_item_mst.qty_invoiced` (Radley length is 10; other translators' length is 13)
Price	215	216	10	N0	`edi_inv_item_mst.price`
Unit Of Measure	225	226	2	AN	`rmaitem_mst.u_m` or `coitem_mst.u_m`
Basis Code	227	228	2	AN	Hard Coded UM
Undefined	229	230	48	N0	
Subject To Terms Flag	277	278	1	N0	Hard Coded 1 - one
Subject To Discount Flag	278	279	1	N0	Hard Coded if `edi_inv_item_mst.disc<>0` then 1 else 0
Discount Percentage	279	280	5	N0	`edi_inv_item_mst.disc`
Discount Amount	284	285	10	N0	Calculated
Item Amount	294	295	10	N0	Calculated
Undefined	304	305	461	AN	
Tax Code 1	765	766	10	N0	
Undefined	776	777	67	AN	
Restocking fee	843	844	10	N0	Included for RMA credit with a restocking fee
Undefined	853	854	125	AN	
Order Quantity	978	979	6	N0	`rmaitem_mst.qty_to_return` or `coitem_mst.qty_ordered`
Order Unit Of Mea-sure	984	985	2	AN	`rmaitem_mst.u_m` or `coitem_mst.u_m`
Undefined	986	987	634	AN	
Import Export Flag	1620	1621	1	N0	Hard Coded 0 - zero

Field Description	Position: Radley	Position: Other Translators	Length	Format	Field or Notes
Undefined	1621	1622	428	AN	
	2048		2049		Total Record Length

This table describes the fields for Multiple Due Date Record Type. This record type is used for each multiple due date record that exists for an invoice.

Field Description	Position: Radley	Position: Other Translators	Length	Format	Field or Notes
Record Type		1	1	N0	3 = Due Date
Trading Partner Designator	1	2	2	AN	`cust_tp_mst.tp_code`
Invoice Number	3	4	12	N0	`edi_inv_hdr_mst.inv_num`
Undefined	15	16	18	N0	`edi_inv_hdr_mst.inv_num`
Due Date	33	34	8	DT	`edi_ar_terms_due_mst.due_date` Format: YYYYMMDD
Due Date Percentage	41	42	5	N0	`edi_ar_terms_due_mst.terms_percent`
Due Date Amount	46	47	13	N0	`edi_ar_terms_due_mst.amount`
Due Days Offset	59	60	10	N0	`edi_ar_terms_due_mst.due_days_offset`
Terms Sequence	69	70	9	N0	`edi_ar_terms_due_mst.terms_seq`

855 Purchase Order Acknowledgment Export

Purchase order acknowledgments are generated during the posting of a customer order from the EDI database tables to SyteLine if the **EDI Customer Profile** form's **Generate Acknowledgments** field is selected for the trading partner associated with the customer order. A purchase order acknowledgment is also generated for each order that is printed via the **Order Verification Report**.

855 Purchase Order Acknowledgment Export Flat File Layout

Caution: To convert to a single flat file for use with translators other than Radley, the **Generic Interface** field must be selected on the **Demand EDI Parameters - Interface Setup** form.

This table describes the fields for Map Identifier Record (For translators other than Radley):

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`cust_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
SY1 Designator (hard_coded)	8	3	AN	Hard Coded SY1
Transaction Type Number	11	6	AN	Hard Coded 855

This table describes the fields for Header - Record Type 100:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Designator	1	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Purchase Order Number	3	22	AN	`ack_cust_po` (`ackitem_mst.cust_po` BCO)
Purchase Order Date	25	8	DT	`ack_mst.order_date` Format = YYYYMMDD
Acknowledgment Flag	33	1	N0	Hard Coded if `ack_mst.trx_code` = "ACK" then 1 else 3
Undefined	34	6	AN	
Record Type	40	3	N0	Hard Coded 100
Sequence Number	43	6	N0	Calculated
Division Abbreviation	49	5	AN	`substring(cust_tp_mst.tp_code, 3,5)`
Destination Abbreviation	54	5	AN	`substring(cust_tp_mst.tp_code, 3,5)`
Undefined	59	15	AN	
Transaction Set	74	3	AN	`ack_mst.trx_code`
Undefined	77	32	AN	

Field Description	Position	Length	Format	Field or Notes
Data Entry Date	109	8	DT	Current Date Format = YYYYMMDD
Data Entry Time	117	4	AN	Time Format = HHMM
Export Date	121	8	DT	Current Date Format = YYYYMMDD
Undefined	129	30	AN	
On/Off Part and Dest Found	159	1	N0	Hard Coded 1 - one
Undefined	160	11	N0	
Purpose	171	2	AN	`cust_tp_mst.ack_code`
PO Type	173	2	AN	Hard Coded if ack_type = "R" then "SA" else "BK"
Undefined	175	34	AN	
Terms	209	2	AN	`ack_mst.terms` (last character truncated)
Undefined	211	39	AN	
PO Contact Number	250	25	AN	`ack_mst.phone`
Undefined	275	136	AN	
Ship Via	411	2	AN	`ack_mst.ship_code` (last character truncated)
Undefined	413	168	AN	
Manually Entered Flag	581	1	N0	Hard Coded 0 - zero
Customer User-Defined Character Field 1	582	20	AN	`ack_mst.charfld1` Radley Undefined
Customer User-Defined Character Field 2	602	20	AN	`ack_mst.charfld2` Radley Undefined
Customer User-Defined Character Field 3	622	20	AN	`ack_mst.charfld3` Radley Undefined
Customer User-Defined Date Field	642	8	DT	`ack_mst.datefld` Radley Undefined Format = YYYYMMDD
Customer User-Defined Decimal Field 1	650	14	AN	`ack_mst.decifld1` Radley Undefined

Field Description	Position	Length	Format	Field or Notes
Customer User-Defined Decimal Field 2	664	14	AN	`ack_mst.decifld2` Radley Undefined
Customer User-Defined Decimal Field 3	678	14	AN	`ack_mst.decifld3` Radley Undefined
Customer User-Defined Logic Field	692	3	AN	`ack_mst.logifld` Radley Undefined YES or NO
Undefined	695	335	AN	
		1029		Total Record Length

855 Purchase Order Acknowledgment Export Flat File Layout

This table describes the fields for Address Record - Record Type 200:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Designa-tor	1	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Purchase Order Number	3	22	AN	`ack_cust_po` (ackitem_mst.cust_po BCO)
Purchase Order Date	25	8	DT	`ack_mst.order_date` Format = YYYYMMDD
Acknowledgment Flag	33	1	N0	Hard Coded if `ack_mst.trx_code` = "ACK" then 1 else 3
Undefined	34	6	AN	
Record Type	40	3	N0	Hard Coded 200
Sequence Number	43	6	N0	Calculated
Division Abbreviation	49	5	AN	`substring (cust_tp_mst.tp_code, 3,5)`
Destination Abbreviation	54	5	AN	`substring (cust_tp_mst.tp_code, 3,5)`
Undefined	59	15	AN	
Transaction Set	74	3	AN	`ack_mst.trx_code`
Undefined	77	32	AN	

Field Description	Position	Length	Format	Field or Notes
Data Entry Date	109	8	DT	Current Date Format = YYYYMMDD
Data Entry Time	117	4	AN	Time Format = HHMM
Export Date	121	8	DT	Current Date Format - YYYYMMDD
Undefined	129	30	AN	
On/Off Part and Dest Found	159	1	N0	Hard Coded 1 - one
Undefined	160	10	AN	
Entity ID Code	170	2	AN	Hard Coded 'BT' Bill to 'ST' Ship to
Undefined	172	19	AN	
Ship To/Bill To Name	191	60	AN	`custaddr_mst.name`
Undefined	251	10	AN	
Address Name 1	261	50	AN	`custaddr_mst.addr##1`
Undefined	311	110	AN	
Address Line 1	421	50	AN	`custaddr_mst.addr##2`
Undefined	471	110	AN	
City	581	30	AN	`custaddr_mst.city`
Undefined	611	15	AN	
State	626	5	AN	`custaddr_mst.state`
Zip Code	631	10	AN	`custaddr_mst.zip`
Undefined	641	477	AN	
		1118		Total Record Length

This table describes the fields for Detail - Record Type 300:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Designator	1	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Purchase Order Number	3	22	AN	`ack_cust_po` (`ackitem_mst.cust_po` BCO)

Field Description	Position	Length	Format	Field or Notes
Purchase Order Date	25	8	DT	`ack_mst.order_date` Format = YYYYMMDD
Acknowledgment Flag	33	1	N0	Hard Coded if `ack_mst.trx_code` = "ACK" then 1 else 3
Control Sequence	34	6	AN	`ackitem_mst.ext_ref`
Record Type	40	3	N0	Hard Coded 300
Sequence Number	43	6	N0	Calculated
Division Abbreviation	49	5	AN	`substring(cust_tp_mst.tp_code, 3,5)`
Destination Abbreviation	54	5	AN	`substring(cust_tp_mst.tp_code, 3,5)`
Undefined	59	15	AN	
Transaction Set	74	3	AN	`ack_mst.trx_code`
Undefined	77	32	AN	
Data Entry Date	109	8	DT	Current Date Format = YYYYMMDD
Data Entry Time	117	4	AN	Time Format = HHMM
Export Date	121	8	DT	Current Date Format = YYYYMMDD
Undefined	129	30	AN	
On/Off Part and Dest Found	159	1	N0	Hard Coded 1 - one
Undefined	160	10	N0	
Purchase Order LIne	170	4	N0	`ackitem_mst.co_line`
Undefined	174	16	AN	
Trading Partner Part Number	190	30	AN	`ack_bln_mst.cust_item` or `ackitem_mst.cust_item`
Our Item Number	220	30	AN	`ack_bln_mst.item` or `ackitem_mst.item`
Quantity	250	9	N0	`ackitem_mst.qty_ordered`
Unit Of Measure	259	2	AN	`ack_bln_mst.u_m` or `ackitem_mst.u_m`

Field Description	Position	Length	Format	Field or Notes
Price	261	14	N0	`ack_bln_mst.cont_price`
Price Base	275	2	AN	`ack_bln_mst.pricecode` or `ackitem_mst.pricecode` (last character truncated)
Description	277	35	AN	`SpecificNotes.NoteContent`
Undefined	312	30	AN	
Time Qualifier	342	3	AN	Hard Coded 017
Required Date	345	8	DT	`ackitem_mst.due_date` Format = YYYYMMDD
Undefined	353	4	AN	
Blanket Line Quantity	357	9	N0	`ack_bln_mst.blanket_qty`
Undefined	366	470	AN	
Customer User-Defined Character Field 1	836	20	AN	`ack_mst.charfld1` Radley Undefined
Customer User-Defined Character Field 2	856	20	AN	`ack_mst.charfld2` Radley Undefined
Customer User-Defined Character Field 3	876	20	AN	`ack_mst.charfld3` Radley Undefined
Customer User-Defined Date Field	896	8	DT	`ack_mst.datefld` Radley Undefined Format = YYYYMMDD
Customer User-Defined Decimal Field 1	904	14	AN	`ack_mst.decifld1` Radley Undefined
Customer User-Defined Decimal Field 2	918	14	AN	`ack_mst.decifld2` Radley Undefined
Customer User-Defined Decimal Field 3	932	14	AN	`ack_mst.decifld3` Radley Undefined
Customer User-Defined Logic Field	946	3	AN	`ack_mst.logifld` - Radley Undefined YES or NO
Undefined	949	76	AN	
		1024		Total Record Length

Note: If you are using Radley, the **Quantity** field length is 10, the format is N0, and the position is 205. The total record length is not affected.

856 Advance Shipping Notices (ASNs) Export

Advance ship notices (ASNs) are used within the SyteLine EDI functionality to notify the trading partner that a shipment of goods has been completed. This transaction set communicates the contents of a shipment, who it is from, and where it is going. An ASN is generated during the printing of an advance ship notice if the **Generate Ship Notice** field on the **EDI Customer Profiles** form is selected for the trading partner associated with the ASN customer order.

856 Advance Shipping Notices (ASNs) Export Flat File Layout

Caution: To convert to a single flat file for use with translators other than Radley, the **Generic Interface** check box must be selected on the **Demand EDI Parameters - Interface Setup** form.

This table describes the fields for Map Identifier Record (For translators other than Radley):

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`cust_tp_mst.tp_code`
SY1 Designator (hard_coded)	8	3	AN	Hard Coded SY1
Transaction Type Number	11	6	AN	Hard Coded 856

This table describes the fields for Header:

Field Description	Position: Radley	Position: Other Translators	Length	Format	Field or Notes
Record Type		1	1	N0	1 = Header
Transaction Type	1	2	1	N0	Hard Coded 1 - one
Company Code	2	3	7	AN	`edi_parms_mst.tp_code`
Undefined	9	10	1	AN	
Trading Partner Designator	10	11	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Shipper Number	12	13	30	AN	`edi_bol_mst.shipper_num`
Undefined	42	43	40	AN	
Destination Abbreviation	82	83	5	AN	`substring(cust_tp-tp_code, 3,5)`
Site Abbreviation	87	88	5	AN	`substring(bt_cust_tp_mst.tp_code, 3,5)`
Bill To Abbreviation	92	93	5	AN	`substring(bt_cust_tp_mst.tp_code, 3,5)`

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Ship To Abbreviation	97	98	5	AN	`substring(cust_tp_mst.tp_code, 3,5)`
Ship Date	102	103	8	DT	Current Date Format = YYYYMMDD
Ship Time	110	111	4	AN	Time Format = HHMM
Pooled	114	115	1	AN	`cust_tp_mst.pooled_asn`
Undefined	115	116	31	AN	
Carrier Code	146	147	4	AN	`co_mst.ship_code`
Undefined	150	151	6	AN	
Equipment Number	156	157	7	AN	`edi_bol_mst.veh_num`
Undefined	163	164	10	AN	
Route	173	174	25	AN	`edi_bol_mst.route`
Undefined	198	199	75	AN	
Status	273	274	1	AN	Hard Coded "N"
Entry Date	274	275	8	DT	Current Date Format = YYYYMMDD
Entry Time	282	283	4	AN	Time Format = HHMM
Undefined	286	287	15	AN	
Carrier Reference	301	302	15	AN	`edi_bol_mst.carrier_num`
Undefined	316	317	16	AN	
ASN Required Flag	332	333	1	N0	Hard Coded 1 - one
Undefined	333	334	120	AN	
ASN Number	453	454	30	AN	`do_hdr_mst.do_num` or `edi_bol_mst.bol_num`
BOL Number	483	484	30	AN	`do_hdr_mst.do_num` or `edi_bol_mst.bol_num`
Undefined	513	514	520	AN	

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
	1032		1033		Total Record Length

This table describes the fields for Detail:

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
Record Type		1	1	N0	2 = Detail
Transaction Type	1	2	1	N0	Hard Coded 1 - one
Company Code	2	3	7	AN	`edi_parms_mst.tp_code`
Undefined	9	10	1	AN	
Trading Partner Designator	10	11	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Shipper Number	12	13	30	AN	`edi_bol_mst.shipper_num`
Item	42	43	30	AN	`edi_bol_item_mst.item`
Customer Item	72	73	30	AN	`coitem_mst.cust_item` or " "
Quantity Shipped	102	103	7	AN	`edi_bol_item_mst.qty`
Unit Of Measure	109	110	2	AN	`edi_bol_item_mst.u_m`
Undefined	111	112	50	AN	
Item Description	161	162	30	AN	`edi_bol_item_mst.description`
Item Weight	191	192	10	N0	`item_mst.unit_weight`
Undefined	201	202	6	AN	
PO Number	207	208	22	AN	`edi_rel_po_mst.cust_po` or `co_mst.cust_po`

Field Description	Position: Radley	Position: Other Transla-tors	Length	Format	Field or Notes
PO Date	229	230	8	DT	`edi_co_mst.order_date` or `co_mst.order_date` Format = YYYYMMDD
Undefined	237	238	16	AN	
Price	253	254	10	N0	`coitem_mst.price` or 0
Undefined	263	264	40	AN	
Status	303	304	1	AN	Hard Coded "N"
Entry Date	304	305	8	DT	Current Date Format = YYYYMMDD
Entry Time	312	313	4	AN	Time Format = HHMM
Undefined	316	317	332	AN	
Lot Number	648	649	30	AN	`matltrack_mst.lot`
Undefined	678	679	417	AN	
	1094		1095		Total Record Length

This table describes the fields for Serial Number Record. The serial number record applies only to generic translators (not to Radley). This record may be included if the **Include Serial Numbers** check box is selected on the **EDI Customer Profiles** form.

Field Description	Posi-tion: Radley	Position: Other Translators	Length	Format	Field or Notes
Record Type		1	1	N0	3 = Serial
Transaction Type		2	1	N0	Hard Coded 1 - one
Company Code		3	8	AN	`edi_parms_mst.tp_code`
Trading Partner Des-ignator		11	2	AN	`substring(cust_tp_mst.tp_code, 1,2)`
Shipper Number		13	30	AN	`edi_bol_mst.shipper_num`
Item		43	30	AN	`edi_bol_item_mst.item`

Field Description	Position: Radley	Position: Other Translators	Length	Format	Field or Notes
Undefined		73	30	AN	
Serial Number		103	30	AN	`serial_mst.ser_num`
Undefined		133	355	AN	
			487		Total Record Length

Creating an EDI Advance Ship Notice (Outbound 856/DESADV)

Follow these steps to record transportation and delivery information for EDI customer orders:

1. Use **Delivery Orders** to create the records.
2. Use the **Print Delivery Order ASN/Generate EDI ASN** form to save the records to tables.
3. Use the **EDI Transaction Unload Routine** to electronically send this information as an Outbound Advance Ship Notice 856/DESADV transaction, if the **Generate Ship Notice** check box is selected on the trading partner's **EDI Customer Profiles** form.

Example - Advance Ship Notice Calculations

This information explains the calculations the system uses for the COD amount and the total charges amount.

These are fields on the **Cost Info** tab of the **Advance Ship Notices** form:

- **Freight Charges**: Enter the freight charges for this transfer order.
- **Freight Method**: Are freight charges prepaid or collected on delivery?
- **COD Method**: Are COD fee charges prepaid or collected on delivery?
- **COD Amount**: Enter the amount to collect on delivery.
- **COD Fee**: Enter the fee charged for delivering COD.
- **Total Charges**: Enter total charges for this transfer order.

Note: Freight charges are initially equal to the freight amount from the CO header from which the ASN was created. When the sum of the ASN item's rates are less than or greater than zero, the system resets this value to the total of the ASN item's rates.

The system sets the default value of the **COD Amount** as the sum of these two values:

- If **Freight Method** is **`Collect`**, then include the freight charges; otherwise, 0 (zero)
- If **COD Method** is **`Collect`**, then include the COD fee; otherwise, 0 (zero)

The system calculates the **Total Charges** as follows:

- If **Freight Method** is **`Prepaid`** and:
  - **COD Method** is **`Prepaid`**, the system uses **COD Amount**.
  - **COD Method** is **`Collect`**, the system uses the greater of **COD Amount** or **COD Fee**.
- If **Freight Method** is **`Collect`** and:
  - **COD Method** is **`Prepaid`**, the system uses the greater of **COD Amount** or **COD Fee**.
  - **COD Method** is **`Collect`**, the system uses the greater of **COD Amount** or (**Freight** + **COD Fee**).

Creating an EDI Invoice (Outbound 810/INVOIC)

On the **EDI Customer Profiles** form, if the **Generate Invoices** check box is selected for a customer, an EDI invoice is automatically generated when you use the **Order Invoicing/Credit Memo** form to generate an invoice for that customer. After you create the invoice, you can electronically send this information as an Outbound Invoice 810/INVOIC transaction to the customer.

1. In the **Order Invoicing/Credit Memo** form's **Invoices or Credit Memos** field, select **`Invoice`**.
2. Enter new values for the rest of the fields on the form, if needed.
3. Select **Print Order/Invoicing Credit Memo**.
4. Click **Process**.
5. To view the current invoice information that is ready to be transmitted, use the **Outbound EDI Invoice Report**.
6. To export your invoice(s) to the customer, use the **EDI Transaction Unload Routine**.

The outbound invoice flat file contains the trading partner code of the ship-to customer in both the header and detail records.

Transmitting PO Acknowledgments (Outbound 855/ORDRSP)

The system creates PO Acknowledgment transactions during the posting of EDI customer orders to SyteLine and during the printing of the **Order Verification Report**.

1. In the **EDI Customer Profiles** form, determine how the system is to send purchase order acknowledgments to this EDI customer:
   - To automatically send an outbound PO acknowledgment 855/ORDRSP transaction to the customer when the EDI customer order is posted, select **Generate Acknowledgments**.
   - To print a copy of the purchase order acknowledgment, select **Print Acknowledgment**.
   - To indicate the type of acknowledgment being sent, enter the **Acknowledgment Code** that will be added to the outbound data file.
2. Post the EDI customer orders.
3. To export your purchase order acknowledgments to the customer, use the **EDI Transaction Unload Routine** form.

Chapter 3: EDI Supply Processing

EDI Setup (Supply Side)

Before you can send information using EDI to vendors, you must first set up your supply side EDI parameters and your EDI vendor profiles.

1 To set up your logical folders for locating translator downloaded files, use the **Supply EDI Parameters - Interface Setup** form.

   This logical folder information is for all EDI trading partners.

2 Specify this information:

   - Trading partner code, which is used as the file suffix
   - Inbound archive and data logical folders
   - Outbound archive and data logical folders
   - Log file logical folder

   Note: Filenames are case-sensitive in the Cloud and must be all uppercase, including the file suffix (Trading Partner Code).

3 Each vendor can handle EDI data differently. To set up how each vendor trading partner's specific data is handled, use the **EDI Vendor Profiles** form.

   Specify this information for each vendor:

   - Vendor number, ship-to address, trading partner code, and Duns number
   - How to handle outbound purchase orders, planning schedules, and ship schedules
   - How to handle inbound vendor invoices, purchase order acknowledgments, and vendor ship notices
   - How to handle header, blanket, and line/release text

Errors That Stop Supply EDI Transaction Posting

This topic contains a list of all errors that stop an EDI supply-side transaction from posting when auto-posting is turned on.

Error Number	Allow Override?	Description
1	No	NO EDI VENDOR PROFILE FOUND
2	No	INVALID VENDOR

Error Number	Allow Override?	Description
3	No	INVALID PO NUMBER
4	No	PO NOT "ORDERED" STATUS
5	No	PO EXISTS FOR DIFFERENT VENDOR
6	No	TERMS CODE NOT THE SAME AS INFOR ERP
7	Yes	SHIP VIA NOT THE SAME AS INFOR ERP
8	Yes	VENDOR ORDER NOT THE SAME AS INFOR ERP
11-17 Are Blanket Header & Blanket Line Errors		
11	No	MISSING PO BLANKET HEADER
12	No	PO BLANKET HEADER NOT "ORDERED" STATUS
13	No	ITEM NOT THE SAME AS INFOR ERP
14	Yes	VENDOR PART NUMBER DIFFERENT THAN INFOR ERP
15	No	UNIT OF MEASURE NOT THE SAME AS INFOR ERP
16	Yes	CONTRACT COST DIFFERENT THAN INFOR ERP
17	Yes	BLANKET QTY DIFFERENT THAN INFOR ERP
21-28 Are PO Line and Releases Errors		
21	No	MISSING PO RELEASE/LINE ITEM
22	No	PO LINE/RELEASE NOT "ORDERED" STATUS
23	No	ITEM NOT THE SAME AS INFOR ERP
24	Yes	VENDOR PART NUMBER DIFFERENT THAN INFOR ERP
25	No	UNIT OF MEASURE NOT THE SAME AS INFOR ERP
26	Yes	UNIT COST DIFFERENT THAN INFOR ERP
27	Yes	ORDER QTY DIFFERENT THAN INFOR ERP
28	Yes	PROMISE DATE DIFFERENT THAN INFOR ERP DUE DATE

Inbound Supply Transactions

Inbound Supply EDI Transactions - Flat-File Layout

This topic describes the flat-file layout for inbound supply EDI transactions.
Note:

- Explanation of Formats:

  DT = Date

  AN = Alphanumeric

  N* = Numeric (2nd digit = the number of decimal places)

- Field Length: Each file must be the exact length designated in this file layout. Each field's starting position must match the file layout. If your values are shorter than the field length specified here, the value is padded with blanks to fill the length of the field so that each field starts in the correct position.

810 (INVOIC) Invoice Flat File Layout

This table describes the fields in Vendor Invoice Header:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but Syte-Line will only use 7 characters for exports.
Record Type	8	3	N0	100
Vendor Invoice Number	11	22	AN	`edi_vinv_mst.vend_inv_num`
Invoice Line Nbr	33	3	N0	"000"
Site Identifier	36	7	AN	
Undefined	43	3	AN	
Invoice Date	46	8	DT	`edi_vinv_mst.inv_date`
PO Number	54	10	AN	`edi_vinv_mst.po_num`
Misc Charges	64	14	N2	`edi_vinv_mst.misc_charges`
Sales Tax	78	14	N2	`edi_vinv_mst.sales_tax`
Freight Charges	92	14	N2	`edi_vinv_mst.freight`
Goods Receiving Note	106	30	AN	`edi_vinv_mst.grn_num`

Field Description	Position	Length	Format	Field or Notes
Undefined	136	40	AN	

This table describes the user-defined fields:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	110
Vendor Invoice Number	11	22	AN	`edi_vinv_mst.vend_inv_num`
Invoice Line Nbr	33	3	N0	000
Site Identifier	36	7	AN	
Undefined	43	3	AN	
Customer User-Defined Character Field 1	46	20	AN	`edi_vinv_mst.charfld1`
Customer User-Defined Character Field 2	66	20	AN	`edi_vinv_mst.charfld2`
Customer User-Defined Character Field 3	86	20	AN	`edi_vinv_mst.charfld3`
Customer User-Defined Date Field	106	8	AN	`edi_vinv_mst.datefld`
Customer User-Defined Decimal Field 1	114	12	N2	`edi_vinv_mst.decifld1`
Customer User-Defined Decimal Field 2	126	12	N2	`edi_vinv_mst.decifld2`
Customer User-Defined Decimal Field 3	138	12	N2	`edi_vinv_mst.decifld3`
Customer User-Defined Logic Field	150	1	AN	`edi_vinv_mst.logifld`
Undefined	151	25	AN	

This table describes the fields in the vendor invoice detail:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	200
Vendor Invoice Number	11	22	AN	`edi_vinv_mst.vend_inv_num`
Invoice Line Nbr	33	3	N0	(ignore)
Site Identifier	36	7	AN	
Undefined	43	3	AN	
Line Number	46	4	N0	`edi_vinv_item.po_line`
Release Number	50	4	N0	`edi_vinv_item.po_release`
Item	54	30	AN	`edi_vinv_item.item`
Invoice Qty	84	13	N3	`edi_vinv_item.orig_vchr_qty_conv`
Unit Of Measure	97	3	AN	`edi_vinv_item.u_m`
Invoice Unit Cost	100	14	N5	`edi_vinv_item.orig_unit_cost_conv`
Undefined	114	62	AN	

855 (ORDRSP) Purchase Order Acknowledgment Flat File Layout

This table describes the fields in the PO acknowledgment header:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	100
Purchase Order Number	11	10	AN	`po_ack_mst.po_num`, `edi_po_ack_mst.po_num`
PO Blanket Line Num	21	4	N0	0000
Line/Release Num	25	4	N0	0000
Site Identifier	29	7	AN	

Field Description	Position	Length	Format	Field or Notes
Undefined	36	5	AN	
Vendor Order	41	22	AN	`edi_po_ack_mst.vend_order`
Terms	63	3	AN	`po_mst.terms_code`, `edi_po_ack_mst.terms_code`
Ship Via	66	4	AN	`po_mst.ship_code`, `edi_po_ack_mst.ship_code`
Undefined	70	81	AN	

This table describes the fields in the PO header text:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	110
Purchase Order Number	11	10	AN	`po_ack_mst.po_num`
PO Blanket Line Num	21	4	N0	0000
Line/Release Number	25	4	N0	0000
Site Identifier	29	7	AN	
Undefined	34	5	AN	
Text	41	40	AN	`SpecificNotes.NoteContent`
Undefined	81	70	AN	

This table describes the user-defined fields:

USER-DEFINED FIELDS

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	120

Field Description	Position	Length	Format	Field or Notes
Purchase Order Number	11	10	AN	edi_ack_mst.po_num
PO Blanket Line Num	21	4	N0	0000
Line/Release Number	25	4	N0	0000
Site Identifier	29	7	AN	tp_code
Undefined	36	5	AN	
Customer User-Defined Character Field 1	41	20	AN	edi_po_ack_mst.charfld1
Customer User-Defined Character Field 2	61	20	AN	edi_po_ack_mst.charfld2
Customer User-Defined Character Field 3	81	20	AN	edi_po_ack_mst.charfld3
Customer User-Defined Date Field	101	8	AN	edi_po_ack_mst.datefld
Customer User-Defined Decimal Field 1	109	12	AN	edi_po_ack_mst.decifld1
Customer User-Defined Decimal Field 2	121	12	AN	edi_po_ack_mst.decifld2
Customer User-Defined Decimal Field 3	133	12	AN	edi_po_ack_mst.decifld3
Customer User-Defined Logic Field	145	1	AN	edi_po_ack_mst.logifld
Undefined	146	5	AN	

This table describes the fields in the Ack Blanket Header:

ACK BLANKET HEADER

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	vend_tp_mst.tp_code You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	200
Purchase Order Number	11	10	AN	po_mst.po_num, edi_po_ack_bln_mst.po_num
PO Blanket Line Num	21	4	N0	0000

Field Description	Position	Length	Format	Field or Notes
Line/Release Number	25	4	N0	0000
Site Identifier	29	7	AN	tp_code
Undefined	36	5	N0	
Item	41	30	AN	edi_po_ack_bln_mst.item
Revision	71	8	AN	edi_po_ack_bln_mst.rev
Unit Of Measure	79	3	AN	edi_po_ack_bln_mst.u_m
Blanket Order Qty	82	13	N3	edi_po_ack_bln_mst.blkt_qty_conv
Item Cost	95	14	N5	edi_po_ack_bln_mst.item_cost_conv
Vendor Part Number	109	30	AN	edi_po_ack_bln_mst.vend_item
Undefined	139	12	AN	

This table describes the fields in the Ack Blanket Header Text:

ACK BLANKET HEADER TEXT

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	vend_tp_mst.tp_code You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	210
Purchase Order Number	11	10	AN	po_mst.po_num, edi_po_ack_bln_mst.po_num
PO Blanket Line Num	21	4	N0	edi_po_ack_bln_mst.po_line
Line/Release Number	25	4	N0	0000
Site Identifier	29	7	AN	tp_code
Undefined	36	5	AN	
P.O. Text	41	40	AN	edi_po_ack_bln_mst.text
Undefined	81	70	AN	

This table describes the fields in Ack Release/Line Item:

ACK RELEASE/LINE ITEM

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	300
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_ack_item_mst.po_num`
PO Blanket Line Num	21	4	N0	`edi_po_ack_item_mst.po_line`
Line/Release Number	25	4	N0	`edi_po_ack_item_mst.po_release`
Site Identifier	29	7	AN	`tp_code`
Undefined	36	5	AN	
Item	41	30	AN	`edi_po_ack_item_mst.item`
Revision	71	8	AN	`edi_po_ack_item_mst.rev`
Unit Of Measure	79	3	AN	`edi_po_ack_item_mst.ack_qty_u_m`
Order Qty	82	13	N3	`edi_po_ack_item_mst.ack_qty_conv`
Item Cost	95	14	N5	`edi_po_ack_item_mst.ack_item_cost_conv`
Promise Date	109	8	DT	`edi_po_ack_item_mst.ack_prom_date`
Vendor Part Number	117	30	AN	`edi_po_ack_item_mst.vend_item`
Undefined	147	4	AN	

This table describes the fields in Ack Release/Line Item Text:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	310

Field Description	Position	Length	Format	Field or Notes
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_ack_item_mst.po_num`
PO Blanket Line Num	21	4	N0	`edi_po_ack_item_mst.po_line`
Line/Release Number	25	4	N0	`edi_po_ack_item_mst.po_release`
Site Identifier	29	7	AN	`tp_code`
Undefined	36	5	AN	
P.O. Text	41	40	AN	`edi_po_ack_mst.text`
Undefined	81	70	AN	

856 (DESADV) Advance Ship Notice Flat File Layout

This table describes the fields in Vendor Ship Notice Header:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	100
Vendor Shipment Number	11	30	AN	`edi_vsn_mst.vend_ship_id`
Shipment Seq Nbr	41	3	N0	`edi_vsn_mst.seq_num`
Site Identifier	44	7	AN	`tp_code`
Undefined	51	5	AN	
Date Shipped	56	8	DT	`edi_vsn_mst.ship_date` (date portion)
Time Shipped	64	6	AN	`edi_vsn_mst.ship_date` (time portion) Format: HHMMSS
Ship Via Code	70	4	AN	`edi_vsn_mst.ship_code`
Total Weight	74	14	N2	`edi_vsn_mst.weight`
# Packages	88	3	N0	`edi_vsn_mst.qty_packages`
PO Number	91	10	AN	`edi_vsn_mst.po_num`

Field Description	Position	Length	Format	Field or Notes
Freight Charges	101	14	N2	edi_vsn_mst.freight
Undefined	115	56	AN	

This table describes the fields in User-Defined Fields:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	110
Vendor Shipment Number	11	30	N0	edi_vsn_mst.vend_ship_id
Shipment Seq Nbr	41	3	N0	edi_vsn_mst.seq_num
Site Identifier	44	7	AN	
Undefined	51	5	AN	
Customer User-Defined Character Field 1	56	20	AN	edi_vsn_mst.charfld1
Customer User-Defined Character Field 2	76	20	AN	edi_vsn_mst.charfld2
Customer User-Defined Character Field 3	96	20	AN	edi_vsn_mst.charfld3
Customer User-Defined Date Field	116	8	DT	edi_vsn_mst.datefld
Customer User-Defined Decimal Field 1	124	12	N2	edi_vsn_mst.decifld1
Customer User-Defined Decimal Field 2	136	12	N2	edi_vsn_mst.decifld2
Customer User-Defined Decimal Field 3	148	12	N2	edi_vsn_mst.decifld3
Customer User-Defined Logic Field	160	1	AN	edi_vsn_mst.logifld
Undefined	161	10	AN	

This table describes the fields in Vendor Ship Notice Detail:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	200
Vendor Shipment Number	11	30	N0	`edi_vsn_mst.vend_ship_id`
Shipment Seq Nbr	41	3	N0	`edi_vsn_mst.seq_num`
Site Identifier	44	7	AN	tp_code
Undefined	51	5	AN	
Line Number	56	4	N0	`edi_vsn_item_mst.po_line`
Release Number	60	4	N0	`edi_vsn_item_mst.po_release`
Item	64	30	AN	`edi_vsn_item_mst.item`
Qty Shipped	94	13	N3	`edi_vsn_item_mst.orig_ship_qty_conv`
Unit Of Measure	107	3	AN	`edi_vsn_item_mst.u_m`
P.O. Num	110	10	AN	`edi_vsn_item_mst.po_num`
Container	120	30	AN	`edi_vsn_item_mst.container`
Undefined	150	21	AN	

This table describes the fields in Vendor Ship Notice Detail Text:

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but SyteLine will only use 7 characters for exports.
Record Type	8	3	N0	210
Vendor Shipment Number	11	30	N0	`edi_vsn_mst.vend_ship_id`
Shipment Seq Nbr	41	3	N0	`edi_vsn_mst.seq_num`
Site Identifier	44	7	AN	
Undefined	51	5	AN	

Field Description	Position	Length	Format	Field or Notes
Ref Type	56	1	AN	edi_vsn_lot_serial_mst.ref_type
Ref Num	57	30	AN	edi_vsn_lot_serial_mst.ref_num
Ref Qty	87	13	N3	edi_vsn_lot_serial_mst.ref_qty
Undefined	100	71	AN	

Receiving an EDI Invoice (Inbound 810/INVOIC)

1. Import the invoice data from the translator into SyteLine's EDI database tables.

   To import the inbound invoice 810/INVOIC transaction from your vendor, use the **EDI Transaction Load Routine**.

2. (Optional) Review the data before posting it to SyteLine.

   To print a detailed list of which vendor invoices you have received, run the **Inbound Vendor Invoice Report**.

3. Generate an A/P voucher using the EDI vendor invoice data.

   For information on creating a voucher, see Creating A/P Vouchers or Adjustments. The system generates the EDI invoice when you generate the A/P voucher.

Receiving PO Acknowledgments (Inbound 855/ORDRSP)

1. To determine whether the system will receive purchase order acknowledgments and whether acknowledgments can be posted or auto-posted, set up the **EDI Vendor Profiles** form.

   Selecting one or all of these EDI Vendor Profiles fields determines how the purchase order acknowledgments will be posted to the system:

   - Allow Order Qty Override?
   - Allow Item Cost Override?
   - Allow Due Date Override?

   Note: If you do not select any of the override fields on the **EDI Vendor Profiles** form, posting the purchase order acknowledgments does not change any information on the purchase order except the Vendor Order Number.

2. Import data into SyteLine's EDI database tables.

   To import the inbound purchase order acknowledgment 855/ORDRSP transaction from your vendor, use the **EDI Transaction Load Routine**.

3 To view the purchase order acknowledgments and to view transaction errors, if any, use the **EDI Purchase Order Acknowledgments** form.

You can also view transmission errors by running the **Inbound PO Acknowledgment Report**.

4 To post any changes in order quantity, material cost (and, indirectly, item cost), and/or the due date to the SyteLine system, on the **EDI Purchase Order Acknowledgments** form, select **Post** and then click **Post Acknowledgments to PO**.

Posting of PO acknowledgments can change the order quantity and/or the due date in the SyteLine system. During posting, the inbound PO acknowledgement cost directly overrides the PO unit material cost. The PO item cost (or unit cost, for blanket POs) is then recalculated as the sum of material, freight, brokerage, duty, insurance, and local freight costs.

Posting applies only those changes selected on the **EDI Vendor Profiles** form. Any other changes in the acknowledgment must be made to the PO manually.

Receiving an EDI Advance Ship Notice (Inbound 856/DESADV)

1 To import the Inbound Advance Ship Notice 856/DESADV transaction from your vendor into SyteLine's EDI database tables, use the **EDI Transaction Load Routine**.

2 (Optional) Review the data before posting it to the SyteLine system.

To print a detailed list of the shipments, run the **Inbound Vendor Ship Notice Report**.

Outbound Supply Transactions

Outbound Supply EDI Transactions - Flat-File Layout

This topic describes the flat-file layout for outbound supply EDI transactions.
Note:

- Explanation of Formats:

  DT = Date

  AN = Alphanumeric

  N* = Numeric (2nd digit = the number of decimal places)

- Field Length: Each file must be the exact length designated in this file layout. Each field's starting position must match the file layout. If your values are shorter than the field length specified here, the value is padded with blanks to fill the length of the field so that each field starts in the correct position.

830 (DELFOR) Blanket Purchase Orders

Map Identifier Record

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`cust_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
SY1 Designator (hard_coded)	8	3	AN	Hard Coded SY1
Transaction Type Number	11	6	AN	Hard Coded 830

SCHEDULE HEADER (830)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	100
Schedule Number	11	7	N0	`edi_sched_mst.sched_num`
Schedule Sequence Nbr	18	3	N0	000
Undefined	21	10	AN	spaces
Vendor Number	31	7	AN	`edi_sched_mst.vend_num`
Schedule Date	38	8	DT	`edi_sched_mst.extract_date`
Undefined	46	155	AN	spaces

SCHEDULE DETAIL (830)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	200
Schedule Number	11	7	N0	`edi_sched_dtl_mst.sched_num`

Field Description	Position	Length	Format	Field or Notes
Schedule Sequence Nbr	18	3	N0	`edi_sched_dtl_mst.seq_num`
Undefined	21	10	AN	spaces
Item	31	30	AN	`edi_sched_dtl_mst.item`
Revision	61	8	AN	`edi_sched_dtl_mst.revision`
Drawing	69	25	AN	`edi_sched_dtl_mst.drawing_nbr`
Description	94	40	AN	`edi_sched_dtl_mst.description`
Plan Date	134	8	DT	`edi_sched_dtl_mst.plan_date`
Planned Order Qty	142	14	N3	`edi_sched_dtl_mst.plan_qty`
U/M	156	3	AN	`edi_sched_dtl_mst.u_m`
Undefined	159	42	AN	spaces

850 (ORDERS) Regular Purchase Orders and 862 (DELJIT) Blanket Purchase Order Release (Flat File Layouts)

Map Identifier Record

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`cust_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
SY1 Designator (hard_coded)	8	3	AN	Hard Coded SY1
Transaction Type Number	11	6	AN	Hard Coded 850

PO HEADER (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	100

Field Description	Position	Length	Format	Field or Notes
Purchase Order Number	11	10	AN	po_mst.po_num, edi_po_mst.po_num
Sequence	21	3	N0	edi_po_mst.seq_num
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Vendor Number	44	7	AN	vend_num, vend_tp_mst.vend_num
Currency	51	3	AN	vendor_mst.curr_code
PO Type	54	1	AN	po_mst.type, edi_po_mst.type
Vendor Order	55	22	AN	edi_po_mst.vend_order
Order Date	77	8	DT	po_mst.order_date, edi_po_mst.order_date
Terms	85	3	AN	po_mst.terms_code, edi_po_mst.terms_code
Ship Via	88	4	AN	po_mst.ship_code, edi_po_mst.ship_code
FOB	92	60	AN	po_mst.fob, edi_po_mst.fob
Buyer	152	25	AN	po_mst.buyer, edi_po_mst.buyer
Vendor LCR	177	20	AN	po_mst.vend_lcr_num, edi_po_mst.vend_lcr_num
Prepaid Amount	197	14	N2	po_mst.prepaid_amt, edi_po_mst.prepaid_amt
Whse	211	4	AN	po_mst.whse, edi_po_mst.whse
Discount Days	215	3	N0	terms_mst.disc_days
Discount Pct	218	8	N3	terms_mst.disc_pct
Due Days	226	3	N0	terms_mst.due_days
Proxima Day	229	2	N0	terms_mst.prox_day
PO Status	231	1	AN	po_mst.stat
Undefined	232	239	AN	

PO VENDOR NAME AND ADDRESS (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	110
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Vendor Name	44	60	AN	`vendaddr_mst.name`
Address Line 1	104	50	AN	`vendaddr_mst.addr##1`
Address Line 2	154	50	AN	`vendaddr_mst.addr##2`
Address Line 3	204	50	AN	`vendaddr_mst.addr##3`
Address Line 4	254	50	AN	`vendaddr_mst.addr##4`
City	304	30	AN	`vendaddr_mst.city`
Prov/ST	334	5	AN	`vendaddr_mst.state`
Post/ZIP	339	10	AN	`vendaddr_mst.zip`
Country	349	30	AN	`vendaddr_mst.country`
Contact	379	30	AN	`vendor_mst.contact`
Phone	409	25	AN	`vendor_mst.phone`
Undefined	434	37	AN	

PO HEADER TEXT (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.

Field Description	Position	Length	Format	Field or Notes
Record Type	8	3	N0	120
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Sequence	44	10	N0	system-generated note sequence
Text	54	400	AN	`SpecificNotes.NoteContent`
Undefined	454	17	AN	

About Notes: If external notes exist for a purchase order, they will be exported and included in the flat file. No internal notes can be exported.

Only the first 4000 characters of an external note are exported to the type 120 record. Each record type 120 can store a text length of 400 characters. So, for an external PO note that is 4000 characters or more long, 10 records are created for one PO in order to export the entire 4000 characters. The vendor's software that imports the flat file must then concatenate each of the 400-character strings together in order to build the entire note text.

PO HEADER REMIT-TO (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	130
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	

Field Description	Position	Length	Format	Field or Notes
Name	44	60	AN	(remit-to)vendaddr_mst.name
Address Line 1	104	50	AN	(remit-to)vendaddr_mst.addr##1
Address Line 2	154	50	AN	(remit-to)vendaddr_mst.addr##2
Address Line 3	204	50	AN	(remit-to)vendaddr_mst.addr##3
Address Line 4	254	50	AN	(remit-to)vendaddr_mst.addr##4
City	304	30	AN	(remit-to)vendaddr_mst.city
Prov/ST	334	5	AN	(remit-to)vendaddr_mst.state
Post/ZIP	339	10	AN	(remit-to)vendaddr_mst.zip
Country	349	30	AN	(remit-to)vendaddr_mst.country
Contact	379	30	AN	(remit-to)vendaddr_mst.contact
Phone	409	25	AN	(remit-to)vendor_mst.phone
Remit-To Vend Curr	434	3	AN	(remit-to)vendor_mst.curr_code
Undefined	437	34	AN	

PO HEADER DROP_SHIP (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	vend_tp_mst.tp_code You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	140
Purchase Order Number	11	10	AN	edi_po_mst.po_num
Sequence	21	3	N0	edi_po_mst.seq_num
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000

Field Description	Position	Length	Format	Field or Notes
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Name	44	60	AN	edi_po_mst.drop_name
Address Line 1	104	50	AN	edi_po_mst.drop_addr##1
Address Line 2	154	50	AN	edi_po_mst.drop_addr##2
Address Line 3	204	50	AN	edi_po_mst.drop_addr##3
Address Line 4	254	50	AN	edi_po_mst.drop_addr##4
City	304	30	AN	edi_po_mst.drop_city
Prov/ST	334	5	AN	edi_po_mst.drop_state
Post/ZIP	339	10	AN	edi_po_mst.drop_zip
Country	349	30	AN	edi_po_mst.drop_country
Contact	379	30	AN	edi_po_mst.drop_contact
Phone	409	25	AN	edi_po_mst.drop_phone
Undefined	434	37	AN	

PO HEADER USER-DEFINED FIELDS (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	vend_tp_mst.tp_code You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	150
Purchase Order Number	11	10	AN	edi_po_mst.po_num
Sequence	21	3	N0	edi_po_mst.seq_num
PO Blanket Line Num	24	4	N0	0000
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Customer User-Defined Character Field 1	44	20	AN	edi_po_mst.charfld1

Field Description	Position	Length	Format	Field or Notes
Customer User-Defined Character Field 2	64	20	AN	`edi_po_mst.charfld2`
Customer User-Defined Character Field 3	84	20	AN	`edi_po_mst.charfld3`
Customer User-Defined Date Field	104	8	DT	`edi_po_mst.datefld`
Customer User-Defined Decimal Field 1	112	12	N2	`edi_po_mst.decifld1`
Customer User-Defined Decimal Field 2	124	12	N2	`edi_po_mst.decifld2`
Customer User-Defined Decimal Field 3	136	12	N2	`edi_po_mst.decifld3`
Customer User-Defined Logic Field	148	1	AN	`edi_po_mst.logifld`
Undefined	149	322	AN	

PO BLANKET HEADER (862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports .
Record Type	8	3	N0	200
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	`edi_po_bln_mst.po_line`
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Item	44	30	AN	`edi_po_bln_mst.item`
Revision	74	8	AN	`item_mst.revision`
Drawing	82	25	AN	`item_mst.drawing_nbr`

Field Description	Position	Length	Format	Field or Notes
Description	107	40	AN	First Line of Text for edi_po_bl
Vendor Item	147	30	AN	`edi_po_bln_mst.vend_item`
Blanket Order Qty	177	13	N3	`edi_po_bln_mst.blanket_qty_conv`
U/M	190	3	AN	`edi_po_bln_mst.u_m`
Effective Date	193	8	DT	`edi_po_bln_mst.eff_date`
Expiration Date	201	8	DT	`edi_po_bln_mst.exp_date`
Item Cost	209	14	N5	`edi_po_bln_mst.item_cost_conv`
PO Blanket Status	223	1	AN	`edi_po_bln_mst.stat`
Undefined	224	247	AN	

PO BLANKET HEADER TEXT (862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	210
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	`edi_po_bln_mst.po_line`
Line/Release Number	28	4	N0	0000
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Sequence	44	10	N0	system-generated note sequence
Text	54	400	AN	`SpecificNotes.NoteContent`
Undefined	454	17	AN	

About Notes: If external notes exist for a blanket purchase order, they will be exported and included in the flat file. No internal notes can be exported.

Only the first 4000 characters of an external note are exported to the type 210 record. Each record type 210 can store a text length of 400 characters. So, for an external blanket PO note that is 4000

characters or more long, 10 records are created for one blanket PO in order to export the entire 4000 characters. The vendor's software that imports the flat file must then concatenate each of the 400-character strings together in order to build the entire note text.

PO LINE/RELEASE (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	300
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	`edi_po_bln_mst.po_line`
Line/Release Number	28	4	N0	`edi_poitem_mst.po_release`
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Item	44	30	AN	`edi_poitem_mst.item`
Due Date	74	8	DT	`edi_poitem_mst.due_date`
Ordered	82	13	N3	`edi_poitem_mst.qty_ordered_conf`
Whse	95	4	AN	`edi_poitemwhse`
Prom Date	99	8	DT	`edi_poitem_mst.prom_date`
Item Cost	107	14	N5	`edi_poitem_mst.unit_cost_conv`
Revision	121	8	AN	`item_mst.revision`
Drawing	129	25	AN	`item_mst.drawing_nbr`
U/M	154	3	AN	`edi_po_bln_mst.u_m`
Vendor Item	157	30	AN	`edi_po_bln_mst.vend_item`
Line/Release Status	187	1	AN	`edi_poitem_mst.stat`
Undefined	188	283	AN	

PO LINE/RELEASE TEXT (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	310
Purchase Order Number	11	10	AN	`po_mst.po_num`, `edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	`edi_po_bln_mst.po_line`
Line/Release Number	28	4	N0	`edi_poitem_mst.po_release`
Text Sequence	32	3	N0	system-generated note sequence
Undefined	35	9	AN	
Sequence	44	10	N0	system-generated note sequence
Text	54	400	AN	`SpecificNotes.NoteContent`
Undefined	454	17	AN	

About Notes: If external notes exist for a purchase order line/release, they will be exported and included in the flat file. No internal notes can be exported.

Only the first 4000 characters of an external note are exported to the type 310 record. Each record type 310 can store a text length of 400 characters. So, for an external PO line/release note that is 4000 characters or more long, 10 records are created for one PO line/release in order to export the entire 4000 characters. The vendor's software that imports the flat file must then concatenate each of the 400-character strings together in order to build the entire note text.

PO LINE/RELEASE Drop_SHIP (850 AND 862)

Field Description	Position	Length	Format	Field or Notes
Trading Partner Code	1	7	AN	`vend_tp_mst.tp_code` You can enter 17 characters in the **Trading Partner** field but will only use 7 characters for exports.
Record Type	8	3	N0	320
Purchase Order Number	11	10	AN	`edi_po_mst.po_num`
Sequence	21	3	N0	`edi_po_mst.seq_num`
PO Blanket Line Num	24	4	N0	`edi_po_bln_mst.po_line`

Field Description	Position	Length	Format	Field or Notes
Line/Release Number	28	4	N0	edi_poitem_mst.po_release
Text Sequence	32	3	N0	000
Undefined	35	9	AN	
Name	44	60	AN	edi_poitem_mst.drop_name
Address Line 1	104	50	AN	edi_poitem_mst.drop_addr##1
Address Line 2	154	50	AN	edi_poitem_mst.drop_addr##2
Address Line 3	204	50	AN	edi_poitem_mst.drop_addr##3
Address Line 4	254	50	AN	edi_poitem_mst.drop_addr##4
City	304	30	AN	edi_poitem_mst.drop_city
Prov/ST	334	5	AN	edi_poitem_mst.drop_state
Post/ZIP	339	10	AN	edi_poitem_mst.drop_zip
Country	349	30	AN	edi_poitem_mst.drop_country
Contact	379	30	AN	edi_poitem_mst.drop_contact
Phone	409	25	AN	edi_poitem_mst.drop_phone
Undefined	434	37	AN	

Creating an EDI Planned Purchase Order (Outbound 830/DELFOR)

You can send planned orders (forecasts) for purchased items to a vendor electronically using the Outbound 830/DELFOR transaction. The planned order for the purchased item is created using the **MRP Planning** or **APS Planning** activity.

1 On the **EDI Vendor Profiles** form, select the **Generate Planned POs** field.

If this field is not selected, the system does not generate the EDI planning information or export 830/DELFOR transactions.

2 On the **Items** form, define planning options for the item to be purchased.

The system only creates planning information for the Rank 1 vendor for this item, as defined on the **Vendor Contracts** form.

3 Open the **APS Planning** or **MRP Planning** form and run the activity to create planned orders for the item.

   Whenever you run APS or MRP planning, these forecasts continue to be created until the options are turned off in the vendor profile.

   After the planned orders have been generated by the MRP or APS program, the forecast information is ready to send to the vendor.

4 On a regular basis (weekly is common), use the **Extract EDI Planning Schedules** form to format the information for export.

5 Use the **EDI Transaction Unload Routine** to export your transaction to the translator. See About EDI Translators on page 10 for more information.

Creating an EDI Purchase Order (Outbound 850/ORDERS)

To request items or services from your vendor, use the **Purchase Orders** form. Once you have created this record, you can send this information to the vendor electronically as an Outbound Purchase Order 850/ORDERS transaction.

1 Enter and save the appropriate data in the **Purchase Orders** form.

2 Run the **Purchase Order Report**, which extracts the EDI purchase orders.

   The purchase order print routine checks the vendor of each selected purchase order to see if they should be sent EDI purchase orders (as indicated in the **EDI Vendor Profiles** form). If so, then the purchase order data is extracted into EDI.

   Note: Each time you reprint a purchase order, it re-extracts the purchase order data.

3 To export your purchase order(s) to the vendor, use the **EDI Transaction Unload Routine**.

Creating an Outbound EDI Shipping Schedule (Outbound 862/DELJIT)

You can send your vendors electronic shipping schedule information about items you buy on blanket purchase orders using the Outbound 862/DELJIT transaction. To create the detailed shipping information for the purchased item, use the **Purchase Order Blanket Lines** and **Purchase Order Blanket Releases** forms. Then export this information to the vendor as an Outbound Planning Order (862/DELJIT).

1 On the **EDI Vendor Profiles** record for the vendor, both the **Generate Planned POs** and the **Export Blanket as Ship Sched** check boxes must be selected. If these check boxes are not selected, the system does not generate the shipping information or export 862/DELJIT transactions.

2 Release the required quantities and the dates on which you need them against the existing blanket purchase order.

3 Run the **Purchase Order Report**, which extracts the EDI blanket order release information into the EDI database tables.

4 To export your transaction information to the translator, use the **EDI Transaction Unload Routine**.