NETcellent's
Sales Order Import

For

ELLIOTT
VERSION 6.7x

From

NETcellent System, Inc.

Elliott™

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Introduction

The import module is designed to import a pre-defined ASCII file to create COP sales orders. It is intended to provide an easy way for developers to create add-on solutions for creating sales orders. This includes, but is not limited to, EDI (Electronic Data Interchange), e-Commerce and using a notebook computer or portable device to capture off-line sales orders. Since a third party developer does not need to know how to allocate inventory, determine pricing, commission, sales tax and update various different files that are required to create COP sales orders, the task is easy to accomplish.

Not only does this relieve the developers' burden to interface with Elliott's Btrieve® or Micro Focus® ISAM files, it also simplifies the task to create an import ASCII file by requiring only the customer number and item number in the ASCII file. For other fields, the system will honor the information in the ASCII file or if a field is left blank a default value is assumed. Therefore, a developer only needs to populate a few important fields that are relevant to its application without needing to know the meaning of every field. The formatted ASCII file layout is included in the later portion of this document.

Setup Sales Order Import Interface

To setup the import interface, you will need to go to
1. The Elliott Main Menu
2. Util_Setup
3. Global Setup
4. Vertical
5. Sales Order Import Interface

You should see a screen similar to figure 1. Please be aware that the Sales Order Import function requires a separate license and you will not be able to access this function if you are not licensed for it.
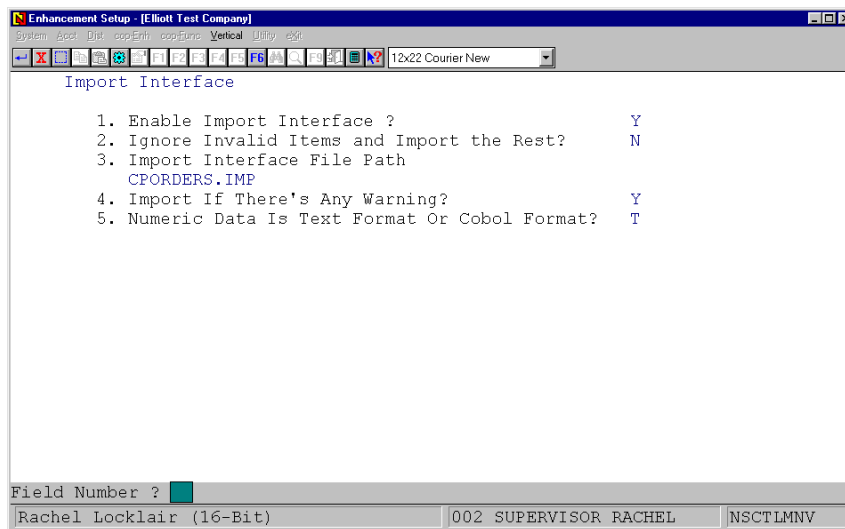
Figure 1 shows the setup screen for the Import Enhancement.

1. Enable Import Interface?
   This must be set to "Y" to use the import function.

2. Ignore Invalid Items and Import the Rest?
   The default value is "N". This allows you, if set to "Y", to import your data even if an item is invalid. By default, an invalid item in the imported ASCII file is considered an error condition and the import function will not import any of the data in the ASCII file. This is necessary to correct error conditions so users can make the necessary changes to fix the problem. For example, our UPC code may be setup incorrectly, so we should fix the UPC code settings and perform the interface again.

   However, sometimes the error was at the source where we can't do anything about it and we still want to import the rest of the orders by ignoring the invalid item. Then you would set this flag to "Y" temporarily and import the ASCII file. After that, change this flag back to "N" to ensure data integrity.

3. Import Interface File Path
   The default value is cporders.imp. However, please specify a valid path in front of the file name. If no path is given the file should reside in:
   1) The \Macola or \Elliott root directory - if you are using Dos Elliott
   2) The \Macola or \Elliott root directory - if you are using 16-Bit NWSM\Elliott
   3) The \NSI or \Elliott directory (where ever NWSM is installed) - if you are using 32-Bit NWSM\Elliott

4. Import If There's Any Warning?
   The default is "Y". If set to "Y" the data will still be imported if there are any warnings found. For example lets say there is an invalid ship-to-number for your trading partner, WalMart, specified in the import ASCII file. Since this is a warning, not an error condition, Elliott will use the default ship-to which is WalMart's headquarters. If you do not want the default condition to take place, then answer "N" to this flag to prevent the system from importing sales orders when there is a warning condition.
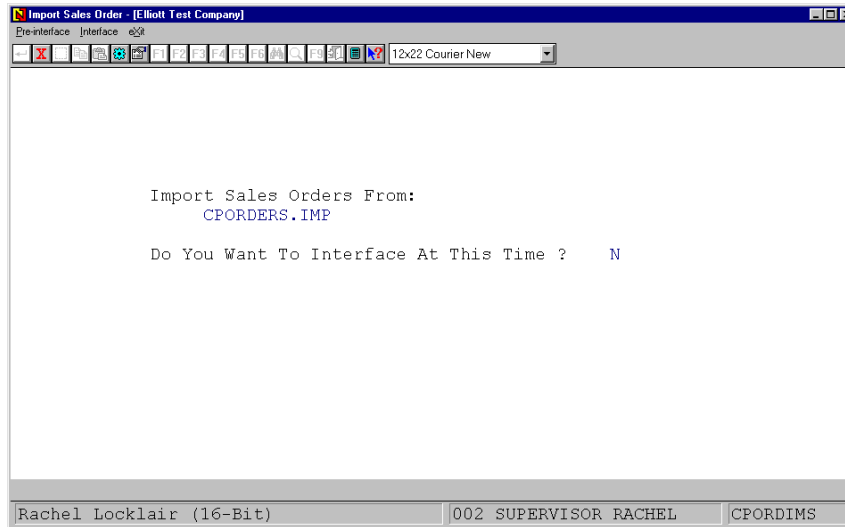
5. Numeric Data Is Text Format or Cobol Format?
   This flag specifies how your text file's numeric field will be formatted. If you select "T" for text, the number "12.5" will be stored as "12.5", "+12.50" or "00012.50+". The text format is very liberal; almost any human readable format can be used in the designated area for the numeric field. If you select "C" for Cobol, the number "12.5" may be stored as "0001250+" where the leading zeroes are required and the decimal point is implied. Depending on whether the field is signed or not the sign will be required as the trailing digit. If you select the wrong format, your data will be imported incorrectly. Please verify with your developer which numeric data type should be used. If you are using Bergen's Simple EDI, please set this field to "T" for text format.

Run Sales Order Import

Once the import ASCII file is created by the developer's application, you can import sales orders into Elliott by going to:
1. The Customer Order Processing main menu
2. Util-Setup
3. Sales Order Import


```
Import Sales Order - [Elliott Test Company]
Pre-interface  Interface  eXit




            Import Sales Orders From:
                CPORDERS.IMP

            Do You Want To Interface At This Time ?    N




Rachel Locklair (16-Bit)          002 SUPERVISOR RACHEL     CPORDIMS
```

Figure 2 shows the Sales Order Import screen.

The Import utility provides two functions: (1) Pre-Post Edit List and (2) Posting. The Pre-Post function will check the data integrity and report any warning or errors and print a report to show the orders and items that are being imported. We suggest printing a Pre-Post to make sure the data is correct before proceeding to posting. This is especially important during the initial phase of implementing the interface project. When users select post, the system will also perform an integrity check, if there are any errors, the system will not proceed with posting. However, if any warnings are found, the system will post the data if the setup allows. A typical warning can be for example, a terms code is invalid so the system will substitute the customer terms code as defined in the customer file. Typical errors are customer or item not found, or order number specified already exists.

Setting up UPC Codes

By default, the system will check the item number in item number field of the import ASCII file against the item file in Elliott. If the item is not found in Elliott's item file, then an error condition will occur. Sometimes, it is not all possible for the developer's application to know Elliott's item number. For example, if you import sales orders from EDI, your trading partner probably provided you with UPC codes, not necessary your item number. Bergen's Simple EDI interface, by default, will populate the import ASCII

file item number field with a UPC code. If your Elliott system is not setup for UPC codes, then you will receive an error message during the import. On the other hand, if your Elliott system is setup for UPC codes, then the import process will try to validate against the item number first, if not found, it will validate against the UPC code. The import process can recognize alternate items, if it is setup in Elliott.

To setup UPC codes in Elliott, follow these steps:

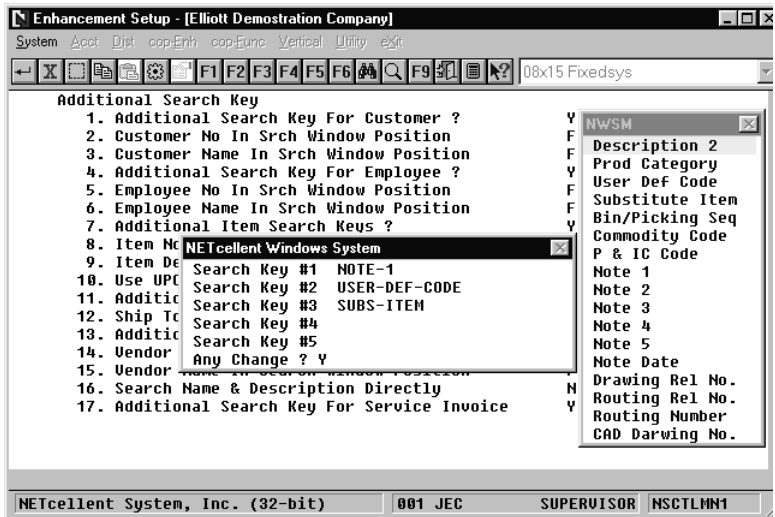Define an Item Note Literal Field as UPC Code in Inventory Setup

This will be used as a field to validate the item number.
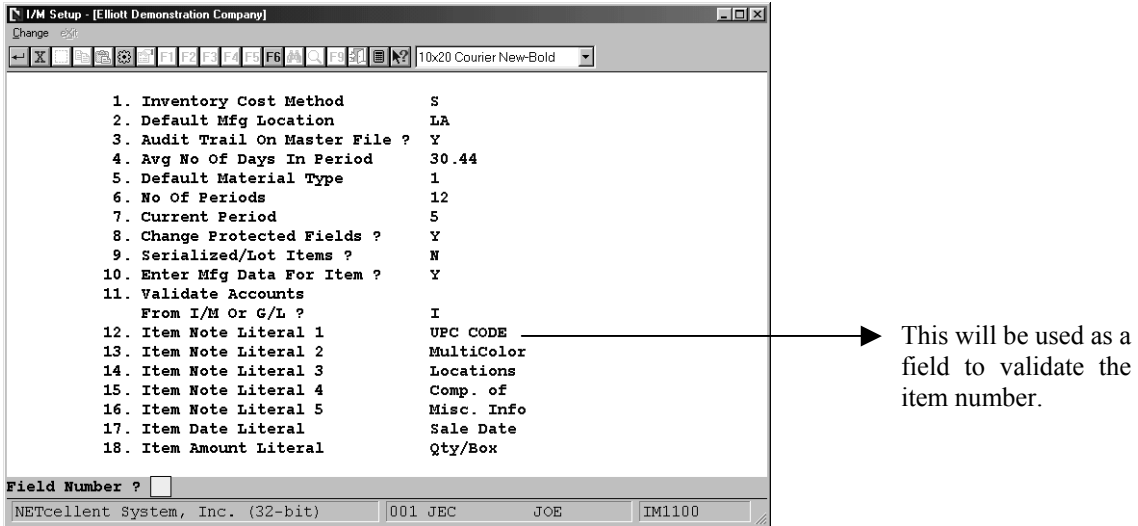
Figure 3 shows the Item Note Literal 1 as UPC CODE.

After defining the Item Note Literal, it must be added as an Additional Search Key.

Additional Search Key Setup

1. Main Menu
2. **U**til-setup
3. **G**lobal setup
4. **S**ystem
5. Additional Search **K**ey

Field No. 7 must be set to "Y". When you select "Y" a window pops up to define your Search Keys.

The available fields are displayed in a second popup window. Had we used Note 4 as the UPC Code, we would add Note 4 to a Search Key.

Figure 4 shows Note-1 as a search key.

After Field 7 has been selected as "Y" and the UPC Code Search Key defined, we must define what additional information we want the system to scan. This is done in Field 10.
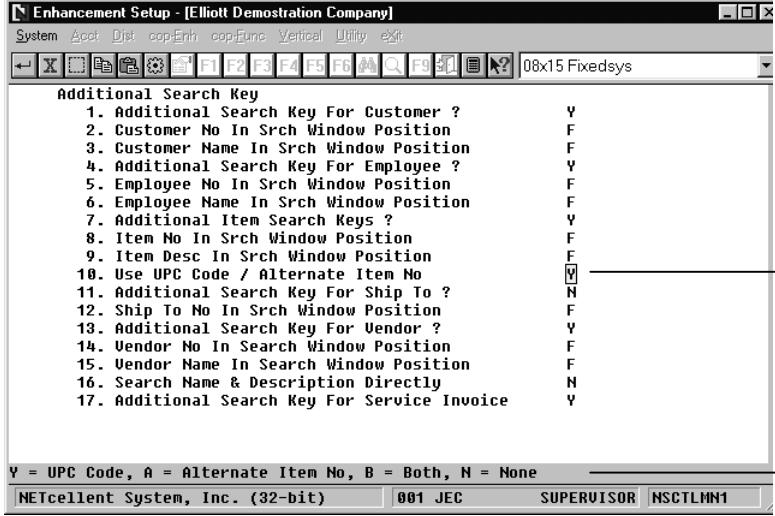
Field 10 is "Y" for UPC Code.

Choices available for Field 10

Figure 5 is set to Y for UPC Code.

After defining the Item Note Literal field, Additional Search Key, (Field 7), and using the UPC Code, (Field 10), we must set up UPC Codes for each inventory item. This is done in Inventory Item File maintenance.

Setting Up UPC Codes for Inventory Items

In the Inventory Item file, the F6 Key brings up a selection window.

Select ELLIOTT NOTE

Figure 6 displays the note search window.

Adding The UPC Code To An Item

Elliott Note window after pressing the F6 key.

UPC Code

To setup or change the UPC Code, press "Y" for any changes.

Figure 7 show the Elliott note with a UPC Code

Error Handling

The following is one of the common error messages that you may encounter and the solution may not be immediately obviously. You may get the following message on your Import Interface Edit List.

Import File Path: F:\ELLIOTT\ORDERIMP.TXT

Interface File Had Exited, We Can't Continue!

When you receive this message it indicates that your previous pre-post or post was aborted. This message indicates that a file ORDERIMP.TX$ exists. The import Pre-Post process will copy ORDERIMP.TXT → ORDERIMP.TX$ and will print a report based on the ORDERIMP.TX$. At the end it will delete the ORDERIMP.TX$ file. Posting will rename ORDERIMP.TXT → ORDERIMP.TX$ and will post based on ORDERIMP.TX$. At the end of posting it will delete ORDERIMP.TX$.

If the abort was during Pre-Post, you can simply delete this file (ORDERIMP.TX$).

If the abort was during a post, you need to decide whether this file is still needed or needs to be edited depending on if the posting is (1) not started yet; (2) partial posted; (3) fully posted. If it is (1), rename ORDERIMP.TX$ to ORDERIMP.TXT (the current orderimp.txt has to be renamed to something else first). If it is (2), you will need to find out where the posting stopped and edit the ORDERIMP.TX$ to delete the records that have already been posted. If it is (3), delete the ORDERIMP.TX$ file.

Developers Reference

What the Import Process Does and Does Not Do

A Developer is responsible for writing to an ASCII text file with the order header and line item information in the format specified by NETcellent. Elliott's import utility will then import the data and create the sales orders. Elliott's import utility will perform the following functions:

- Validate data integrity.
- Give warnings or errors if a problem with data is detected.
- Assign a default value if field is left as blank.
- Calculate fields like unit price, commission, sales tax, freight, total sales amount...etc.
- Assign an order number.
- Check credit limit and decide whether to hold an order.
- Allocate inventory.
- Update the following files:
  - Available To Promise File
  - COP PO Reference File
  - COP Line Item Audit Trail File

The Elliott import utility currently does not support importing feature option items. It does not support serial/lot items for "I" or "C" type orders because there's no mechanism currently to supply serial/lot numbers in the import ASCII file. By the same token, it will not support the multi-bin feature if the import order type is "I" or "C". Serial/lot numbers and multi-bin functions are fully supported for "O" type orders.

Required Fields & Default Values

Almost all the fields in header and line item record can be left blank. The only required fields are Customer-Number in the header record and the Item-No in the line item record. When the field is left blank, the system will automatically determine a default value. The following are some examples of the default values if corresponding fields in the import ASCII file are left blank:

 Order Number: Sequentially assigned from COP Control file
 Order Date: System Date
 Order Type: "O" type order
 Bill-To Address: from customer file
 Ship-To Address: from customer file or ship-to file if ship to number specified
 Terms Code: from customer file
 Ship Via code: from customer or ship-to file
 Line item qty ordered: 1 if left blank
 Line item qty to ship: same as qty ordered
 Unit Price: calculated by default pricing logic

ASCII file layout

Order Import Header Information

	Field Description	Size	Decimal Digits	Signed	Position	Notes
1	Header	1			1-1	"H" = Header
2	Order Number	6			2-7	Leave it blank
3	Date Entered	8			8-15	Purchase Order Date
4	Date	8			16-23	Blank for default
5	Type	1			24-24	Value = O (default) I,C,Q
6	Apply to Number	6			25-30	Leave it blank
7	Purchase Order Number	10			31-40	Customers PO Number
8	Customer Number	6			41-46	Required Field
9	Order Number - Alt	6			47-52	Leave it blank
10	Customer Balance Method	1			53-53	Leave it blank
11	Bill to Name	30			54-83	Blank for default
12	Bill to Address 1	30			84-113	Blank for default
13	Bill to Address 2	30			114-143	Blank for default
14	Bill to Address 3	30			144-173	Blank for default
15	Bill to Country	20			174-193	Blank for default
16	Ship to Number	4			194-197	Store Number
17	Ship to Name	30			198-227	Blank for default
18	Ship to Address 1	30			228-257	Blank for default
19	Ship to Address 2	30			258-287	Blank for default
20	Ship to Address 3	30			288-317	Blank for default
21	Ship to Country	20			318-337	Blank for default
22	Shipping Date	8			338-345	Shipping Date
23	Ship Via Code	2			346-347	Blank for default
24	Terms Code	2			348-349	Blank for default
25	Freight Pay Code	1			350-350	Leave it blank
26	Shipping Instructions 1	40			351-390	Free form text
27	Shipping Instructions 1	40			391-430	Free form text
28	Salesman Number 1	3			431-433	Leave it blank
29	Salesman 1 Percent Com	5	2		434-438	Leave it blank
30	Salesman 1 Comm Amount	10	2	Y	439-448	Leave it blank
31	Salesman Number 2	3			449-451	Leave it blank
32	Salesman 2 Percent Com	5	2		452-456	Leave it blank
33	Salesman 2 Comm Amount	10	2	Y	457-466	Leave it blank
34	Salesman Number 3	3			467-469	Leave it blank
35	Salesman 3 Percent Com	5	2		470-474	Leave it blank
36	Salesman 3 Comm Amount	10	2	Y	475-484	Leave it blank
37	Tax Code 1	6	4		485-487	Leave it blank
38	Tax Percent 1	3	4		488-493	Leave it blank
39	Tax Code 2	6	4		494-496	Leave it blank
40	Tax Percent 2	3	4		497-502	Leave it blank
41	Tax Code 3	6	4		503-505	Leave it blank
42	Tax Percent 3	3	4		506-511	Leave it blank
43	Discount Percent	5	2		512-516	Leave it blank
44	Job Number	6			517-522	Leave it blank
45	Mfging Location	2			523-524	Blank for default
46	Profit Center	8			525-532	Leave it blank
47	Department	8			533-540	Leave it blank
48	AR - Refernece	30			541-570	Leave it blank

	Field Description	Size	Decimal Digits	Signed	Position	Notes
49	Total Sale Amount	10	2	Y	571-580	Blank/Ttl Sales (Integrity Chk)
50	Total Taxable Amount	10	2	Y	581-590	Leave it blank
51	Total Cost	10	2	Y	591-600	Leave it blank
52	Total Weight	11	3	Y	601-611	Leave it blank
53	Misc. Charge Amount	8	2	Y	612-619	Leave it blank
54	Misc. Charge - Acct No	24			620-643	Leave it blank
55	Freight Amount	8	2	Y	644-651	Leave it blank
56	Freight Account Number	24			652-675	Leave it blank
57	Sales - Tax Amount 1	9	2	Y	676-684	Leave it blank
58	Sales - Tax Amount 2	9	2	Y	685-693	Leave it blank
59	Sales - Tax Amount 3	9	2	Y	694-702	Leave it blank
60	Commission Percent	5	2	Y	703-707	Leave it blank
61	Commission Amount	9	2	Y	708-716	Leave it blank
62	Comment 1	35			717-751	Free form text
63	Comment 2	35			752-786	Free form text
64	Comment 3	35			787-821	Free form text
65	Payment Amount	9	2		922-830	Leave it blank
66	Payment Discount Amount	8	2		831-838	Leave it blank
67	Check Number	6			839-844	Leave it blank
68	Check Date	8			845-852	Leave it blank
69	Cash Account Number	24			853-876	Leave it blank
70	Date - Picked	8			877-884	Leave it blank
71	Date - Billed	8			885-892	Leave it blank
72	Invoice Number	6			893-898	Leave it blank
73	Invoice Date	8			899-906	Leave it blank
74	Selection Code	1			907-907	"C"
75	Posted Date	8			908-915	Leave it blank
76	Partially Post Flag	1			916-916	Leave it blank
77	Ship To - Free Form Flag	1			917-917	Leave it blank
78	Bill To - Free From Flag	1			918-918	Leave it blank
79	Copy to - BM Flag	1			919-919	Leave it blank
80	EDI Flag	1			920-920	"Y"
81	Purchase Order No Continue	15			921-935	Cust's PO (10)
82	Closed Flag	1			936-936	Leave it blank
83	Accum Misc Charges Amount	8	2	Y	937-944	Leave it blank
84	Accum Freight Amount	8	2	Y	945-952	Leave it blank
85	Accum Total Taxable Amnt	10	2	Y	953-962	Leave it blank
86	Accum Total Sales Tax Amnt	10	2	Y	963-972	Leave it blank
87	Accum Total Sale Amount	10	2	Y	973-982	Leave it blank
88	Store Number	6			983-988	Store Number
89	Bill to Number	6			989-994	Leave it blank
90	RMA Status	1			995-995	Leave it blank
91	Phantom Invoice Flag	1			996-996	Leave it blank
92	Department Number	6			997-1002	Department Number
93	BOL Printed	1			1003-1003	Leave it blank
94	Original Invoice Number	6			1004-1009	Leave it blank
95	Payment Type	1			1010-1010	Leave it blank
96	Filler	72			1011-1082	Leave it blank

Order import Line Item Information

	Field Description	Size	Decimal Digits	Signed	Position	Notes
1	Detail Line	1			1-1	"L" = Line Detail
2	Item Key	9			2-10	Leave it blank
3	Item Number	15			11-25	Required Field
4	Item - Order Number Alt 1	6			26-31	Leave it blank
5	Item - Order Number Alt 2	6			32-37	Leave it blank
6	Item - Picking Sequence	8			38-45	Leave it blank
7	Item Description 1	30			46-75	Desc1/Blank=Elliott's Desc
8	Item Description 2	30			76-105	Desc2
9	Item - Serial Lot Number	15			106-120	Leave it blank
10	Item - Serial - Eff Date	8			121-128	Leave it blank
11	Item - Serial - Lot Exp Date	8			129-136	Leave it blank
12	Item - Quantity Ordered	13	3	Y	137-149	Qty Order
13	Item - Quantity to Ship	13	3	Y	150-162	Leave it blank
14	Item - Unit Price	11	4	Y	163-173	Unit Prc/Blank=Elliott's Price
15	Item - Discount Percent	5	2		174-178	Leave it blank
16	Item - Request Date	8			179-186	Item Shipping Date
17	Item - Quantity Backordered	13	3	Y	187-199	Leave it blank
18	Item - Quantity Return to Stk	13	3	Y	200-212	Leave it blank
19	Backorderable Flag	1			213-213	Leave it blank
20	Unit of Measure	2			214-215	Blank for default
21	Item - Unit Cost	11	4	Y	216-226	Leave it blank
22	Item - Unit Weight	9	3	Y	227-235	Leave it blank
23	Item - Comm Calc Type	1			236-236	Leave it blank
24	Item - Comm Pct or Amt	7	2	Y	237-243	Leave it blank
25	Item - Promise Date	8			244-251	Same as Request Date
26	Item - Taxable Flag	1			252-252	Leave it blank
27	Item - Stocked Flag	1			253-253	Leave it blank
28	Item - Controlled Flag	1			254-254	Leave it blank
29	Item - Select Code	1			255-255	Blank for default
30	Item - Total Quantity Ordered	13	3	Y	256-268	Leave it blank
31	Item - Total Quantity Shipped	13	3	Y	256-268	Leave it blank
32	Item - Taxable Flag 1	1			282-282	Leave it blank
33	Item - Taxable Flag 2	1			283-283	Leave it blank
34	Item - Taxable Flag 3	1			284-284	Leave it blank
35	Item - Price Org.	11	4	Y	285-295	Leave it blank
36	Item - Copy to BM Flag	1			296-296	Leave it blank
37	Item - Explode Kit	1			297-297	Leave it blank
38	Item - BM Order Number	6			298-303	Leave it blank
39	Item - Mult FTR Ser Flag	1			304-304	Leave it blank
40	Item - Price Fixed Flag	1			305-305	Leave it blank
41	Item - Number of Package	4			306-309	Leave it blank
42	Item - PO-XRF-Sequence-No	3			310-312	Leave it blank
43	Item - Product Category	3			313-315	Blank for default
44	Item - Reason Code	6			316-321	Blank for default
45	Item - PRC - LVL Number	2			322-323	Leave it blank
46	Original Blanket Order Numbr	6			324-329	Leave it blank
47	Original Blanket Sequence No	3			330-332	Leave it blank
48	Item - Style Temp Flag	1			333-333	Leave it blank
49	Item - Vendor Number	6			334-339	Leave it blank
50	Filler	65			340-404	Leave it blank

Notes:
1. "Blank for default" means if you don't know the meaning of the field, just leave it blank, the system will assign a default value for you.
2. "Leave it blank" means you don't need to put any value in that field. Don't put anything in that field unless you know what you wish to accomplish. Leaving it blank will let the system assign a default value.
3. "Customer Number" and "Item Number" are required fields, everything else, you can leave blank and a default value will be assumed.
4. The Customer Number can be the customer number as defined in Elliott Customer database. It can also be some kind of consistent code provided by an EDI translator. There is a table on the Elliott side that can be setup to cross reference EDI translator's customer number and Elliott's customer number.
5. Item Number can be Elliott's item number, UPC code (if UPC code is turned on and setup), or Manufacture Item Number (if alternate item number is turned on and setup).
6. "Purchase Order No Continue" is an extension to the "Purchase Order Number" field. "Purchase Order Number" is a 10-digit field, if the customer's PO is longer than 10 digits, the rest is stored in the "Purchase order No Continue" field. The total of the PO field length is 25 digits.
7. All dates fields are stored in PIC 9(8) format. You should store your data in YYYYMMDD format. For example, 7/1/1999 should be stored as "19990701".