



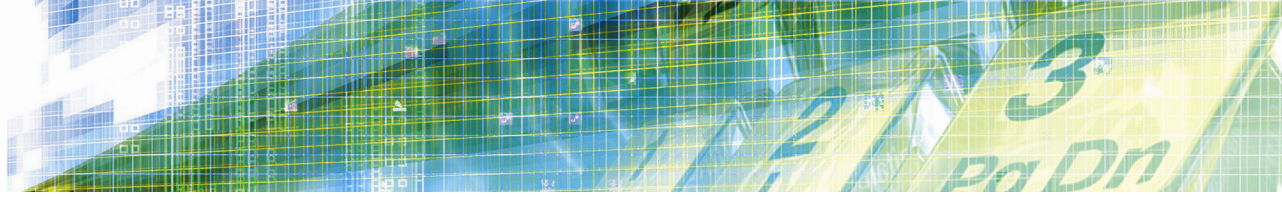
**Fisher Scientific**

Part of Thermo Fisher Scientific

# EDI Specifications

*810 - Invoice (Supplier v4010)*

December 2010



# 810

## Purchase Order - Functional Group=IN

VER. 4010

### FISHER SCIENTIFIC

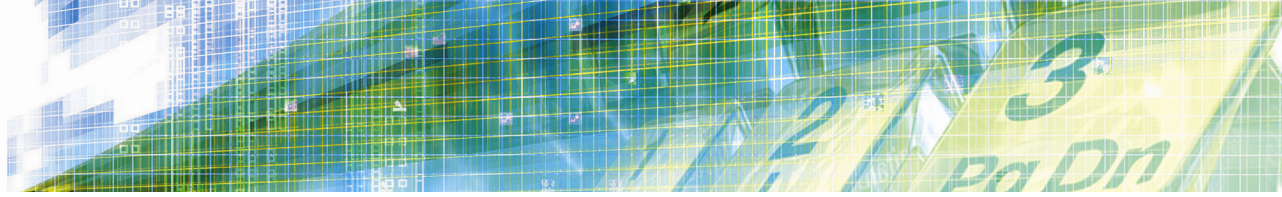
This Standard contains the format and establishes the data contents of the Fisher Scientific Customer Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. Please refer to the *EDI Services Guide* for additional information. All information contained herein is subject to change at the discretion of Fisher Scientific Company, L.L.C.

#### Heading:

POS	ID	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
<b>LOOP ID - N1</b>					<b>200</b>	
070	N1	Name	O	1		

#### Detail:

POS	ID	Segment Name	Req	Max Use	Repeat	Notes
<b>LOOP ID - IT1</b>					<b>200000</b>	
010	IT1	Baseline Item Data	O	1		
<b>LOOP ID - PID</b>					<b>1000</b>	
060	PID	Product/Item Description	O	1		
<b>LOOP ID - SLN</b>					<b>1000</b>	
200	SLN	Line Item Acknowledgement	O	1		

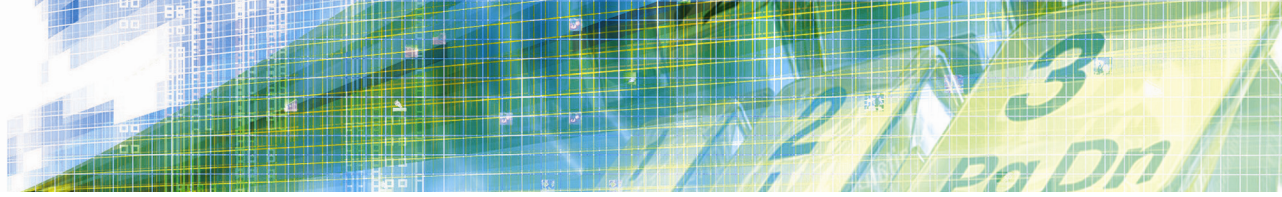


**Summary:**

<u>POS</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	TDS	Total Monetary Value Summary	M	1		
<b><u>LOOP ID - SAC</u></b>					<b><u>25</u></b>	
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
<b><u>LOOP ID - CTT</u></b>					<b><u>1</u></b>	
070	CTT	Transaction Totals	O	1		N1/010
030	SE	Transaction Set Trailer	M	1		

**Notes:**

1/010 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.



# ST

## Transaction Set Header

POS: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

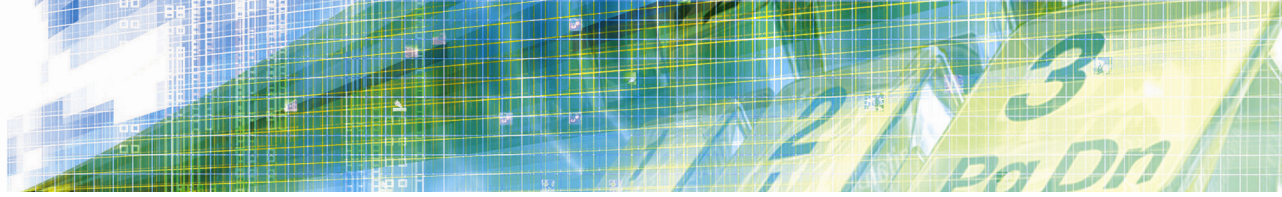
To indicate the start of a transaction set and to assign a control number.

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3					
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>810</td> <td>Invoice</td> </tr> </table>	<u>Code</u>	<u>Name</u>	810	Invoice				
<u>Code</u>	<u>Name</u>									
810	Invoice									
ST02	329	Transaction Set Control Number	M	AN	4/9					

### Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).



# BIG Beginning Segment for Invoice

POS: 020                      Max: 1  
 Heading - Mandatory  
 Loop: N/A                    Elements: 4

To indicate the beginning of the Invoice Transaction Set and transmit identifying numbers and dates.

## **Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
BIG01	373	Date	M/A	DT	8/8	
BIG02	076	Invoice Number	M	AN	1/22	
BIG04	324	Purchase Order Number	O	AN	1/22	
BIG07	640	Transaction Type Code	M	ID	2/2	N/640
		<u>Code</u> <u>Name</u>				
		CR      Credit Memo				
		DI      Debit Invoice				
		DR      Debit Memo				
		CN      Credit Invoice				

### **Semantics:**

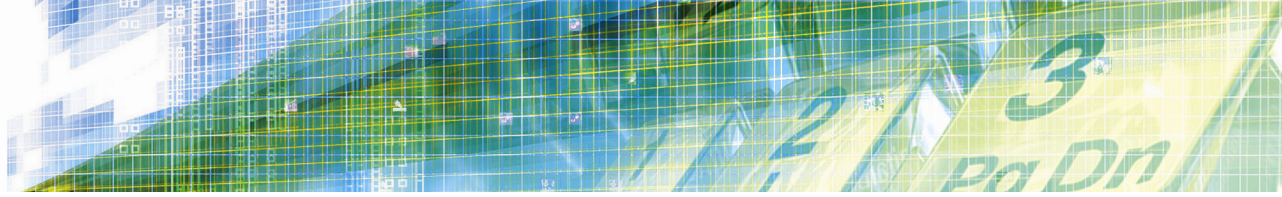
- BIG01 is the invoice issue date.

### **Comments:**

- BIG07 is used only to further define the type of invoice when needed.

### **Notes:**

N/640      *Please refer to EDI Services Guide for additional requirements.*



# N1

## Name

POS: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

To identify a party by type of organization, name, and code.

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> RE Remit To	M	ID	2/3	N/98
N102	93	Name	C	AN	1/60	

### Syntax:

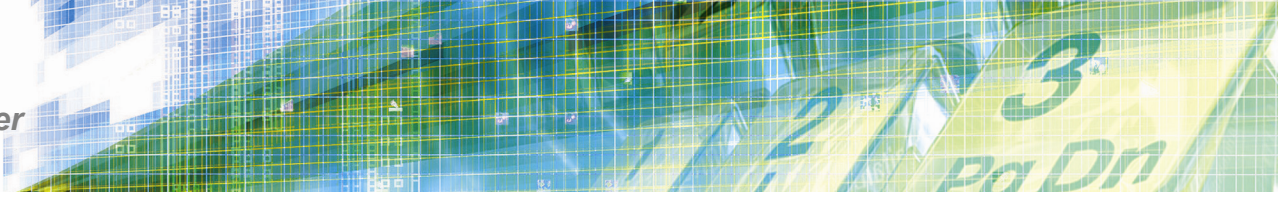
1. R0203 - At least one of N102 or N103 is required.

### Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

### Notes:

N/98 Please refer to EDI Services Guide for additional requirements.



# IT1

## Baseline Item Data

POS: 010	Max: 1
Heading - Mandatory	
Loop: IT1	Elements: 6

To specify basic and most frequently used line item data for the invoice and related transactions.

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
IT101	350	Assigned Identification	O	AN	1/20	
IT102	358	Quantity Invoiced	X	R	1/10	
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	N/355
		<u>Code</u> <u>Name</u>				
		CA Case				
		EA Each				
		GR Gross				
		PC Piece				
		PK Pack (PAK)				
IT104	212	Unit Price	X	R	1/17	N/212
IT106	235	Product/Service ID Qualifier	X	ID	2/2	N/235
		<u>Code</u> <u>Name</u>				
		BP Buyer's Part Number				
		CB Buyer's Catalog Number				
		VC Vendor's (Seller's) Catalog Number				
		VP Vendor's (Seller's) Part Number				
IT107	234	Product/Service ID	X	AN	1/48	

### Syntax:

1. P020304—If either IT102, IT103, or IT104 are present, then the others are required
2. P0607—If either IT106 or IT107 are present, then the other is required.

### Semantics:

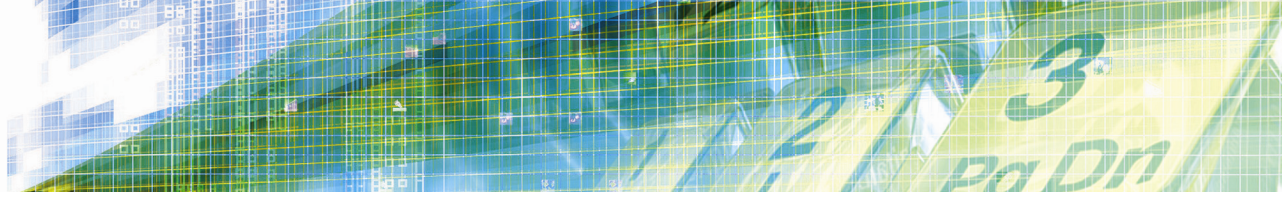
1. IT101 is the purchase order line item identification.

### Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDS.
2. IT106 through IT125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### Notes:

M/35/212/235 Please refer to EDI Services Guide for additional requirements.



# PID Product/Item Description

POS: 060                      Max: 1  
 Heading - Optional  
 Loop: PID                    Elements: 2

To describe a product or process in coded or free-form format.

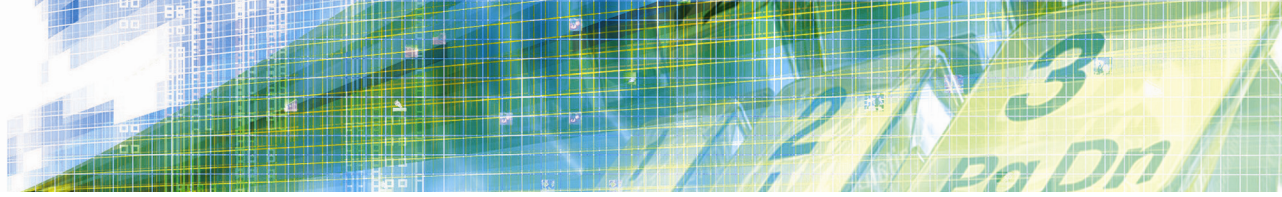
**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>				
PID01	349	Item Description Type <table border="0" style="margin-left: 20px;"> <tr> <td style="border-bottom: 1px solid black; padding: 0 5px;">Code</td> <td style="border-bottom: 1px solid black; padding: 0 5px;">Name</td> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	Code	Name	F	Free-form	M	ID	1/1	
Code	Name									
F	Free-form									
PID05	352	Description	C	AN	1/80					

**Comments:**

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.





# SLN Subline Item Detail

POS: 200	Max: 1
Heading - Optional	
Loop: SLN	Elements: 6

To specify product subline detail item data.

## Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
SLN01	350	Assigned Identification	M	AN	1/20	
SLN03	662	Relationship code <u>Code</u> <u>Name</u> 1 Included	M	ID	1/1	
SLN04	380	Quantity	C	R	1/15	
SLN05	355	Composite Unit of Measure	M	ID	2/2	
SLN09	235	Composite Unit of Measure <u>Code</u> <u>Name</u> LT Lot Number	C	ID	2/2	N/235
SLN10	234	Product/Service ID	C	AN	1/48	

## Syntax:

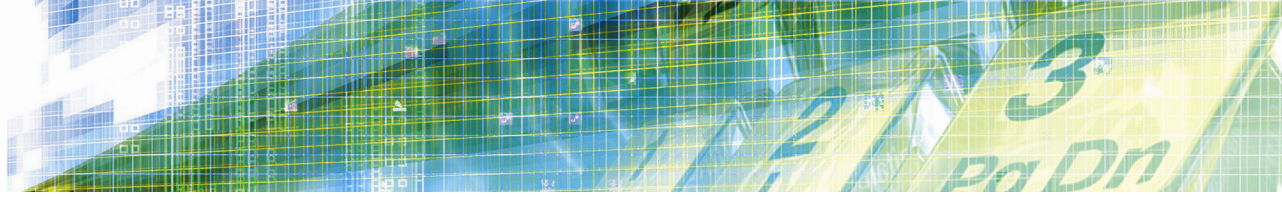
1. SLN01 is the identifying number for the subline item.
2. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

## Comments:

1. See the Data Element Dictionary for a complete list of ID.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service Ids for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## Notes:

N/235 *Please refer to EDI Services Guide for additional requirements.*



# TDS Total Monetary Value Summary

POS: 010	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

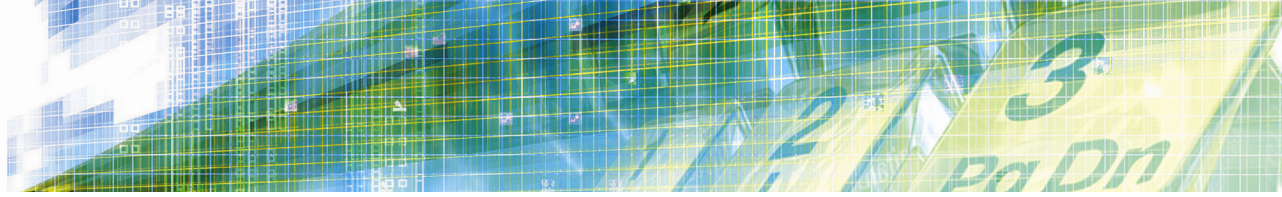
To specify the total invoice discounts and amounts.

## Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
TDS01	610	Amount	M	N2	1/15	

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).



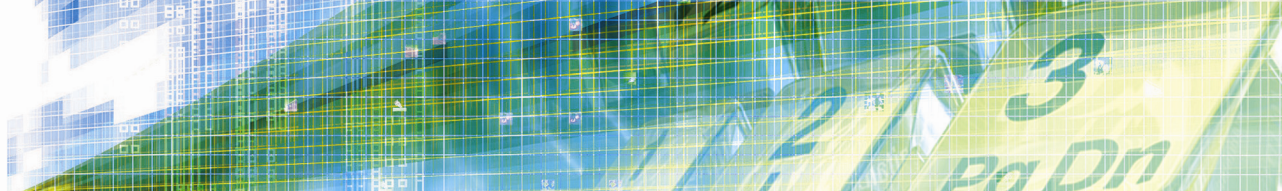
# SAC Service, Promotion, Allowance, or Charge Information

POS: 040	Max: 1
Heading - Optional	
Loop: SAC	Elements: 4

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

## Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
SAC01	248	Allowance or Charge Indicator <u>Code</u> <u>Name</u> C Charge	M	ID	1/1	
SAC02	1300	Service, Promotion, Allowance, or Charge Code <u>Code</u> <u>Name</u> A010 Absolute Minimum Charge C310 Discount C510 Dry Ice C590 Emergency Surcharge D200 Freight Charges to Destination D240 Freight D270 Fuel Surcharge D540 Hazardous Materials Handling Fee - Domestic D820 Inside Delivery F050 Other (See related description) F155 Packaging F230 Penalty Charge G470 Restocking Charge G740 Service Charge G830 Shipping and Handling H750 Tax - Sales Tax (State and Local) I250 Transportation Charge (Minimum Rate) I530 Volume Discount ZZZZ Mutually Defined	C	ID	4/4	N1/1300
SAC05	610	Amount	O	N2	1/15	
SAC12	331	Allowance or Charge Method of Handling Code <u>Code</u> <u>Name</u> 06 Charge to be Paid by Customer	O	ID	2/2	



**Syntax:**

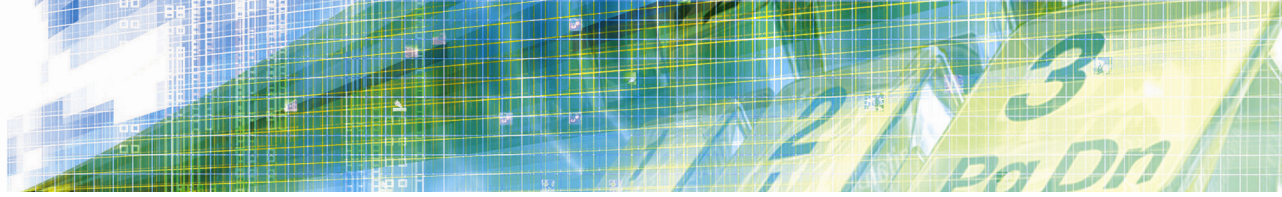
1. R0203 -- At least one of SAC02 or SAC03 is required

**Semantics:**

1. SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

**Notes:**

N/1300      *Please refer to EDI Services Guide for additional requirements.*



# CTT Transaction Totals

POS: 070	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

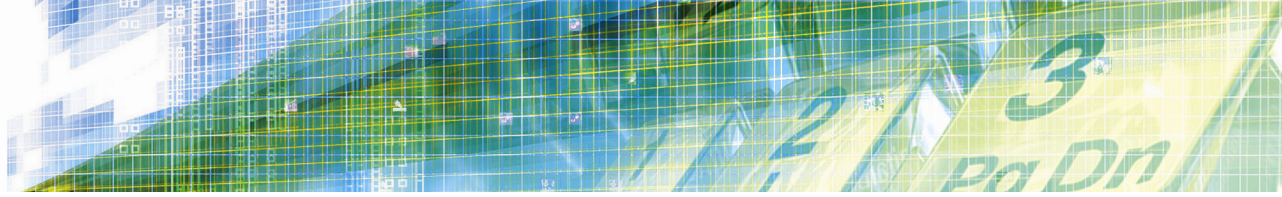
To transmit a has total for a specific element in the transaction set.

## Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
CTT01	354	Number of Line Items	M	N0	1/6	
CTT02	347	Has Total	O	R	1/10	

## Comments:

1. This segment is intended to provide has totals to validate transaction completeness and correctness.



# SE

## Transaction Set Trailer

POS: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

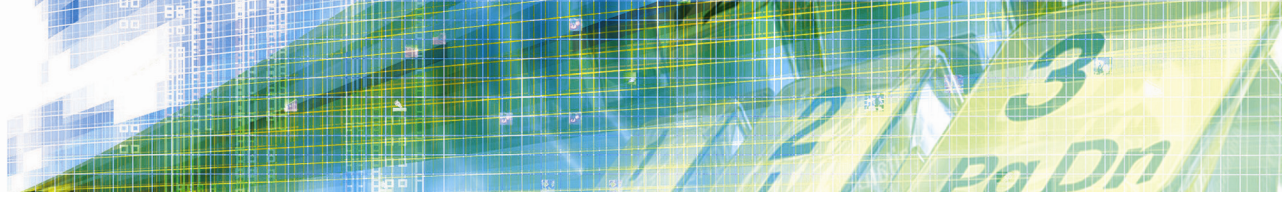
To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

### **Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
SE01	96	Number of Included Segments	M	N0	1/10	
SE02	329	Transaction Set Control Number	M	AN	4/9	

### **Comments:**

1. SE is the last segment of each transaction set.



**Sample 810 :**

Below is a complete example of an 810 transmission:

```
ISA*00*      *00*      *ZZ*7777777777  *09*004321519VNDP
*070920*1000*U*00401*000000078*0*P*>
GS*IN*7777777777*004321519VNDP*20070920*1000*1*X*004010
ST*810*0020
BIG*20070920*5301499**DR3461700***DI
N1*RE*VENDOR NAME
IT1*001*1*EA*200.00**VP*14567890*CB*5674321
PID*F****FILTERMAT (100/pack)
TDS*24050
SAC*C*I250***4050*****06
CTT*1
SE*9*0020
GE*1*1
IEA*1*000000078
```