



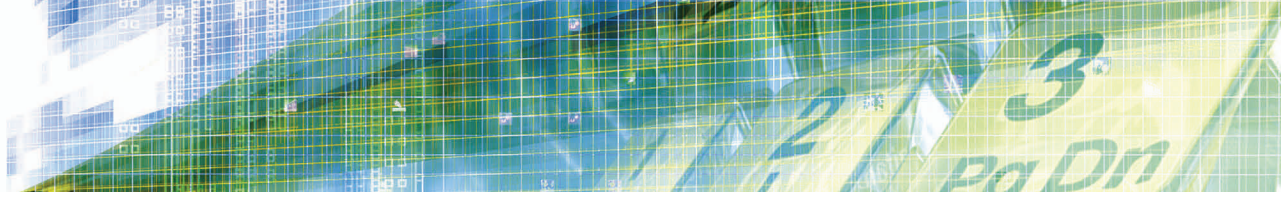
Fisher Scientific

Part of Thermo Fisher Scientific

EDI Specifications

810 - Invoice (Customer 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:

<u>POS</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
030	NTE	Note/Special Instruction	O	100		

LOOP ID - N1

200

070	N1	Name	O	1		
080	N2	Additional Name Information	O	2		
090	N3	Address Information	O	2		
100	N4	Geographic Information	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

Detail:

<u>POS</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
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LOOP ID - IT1

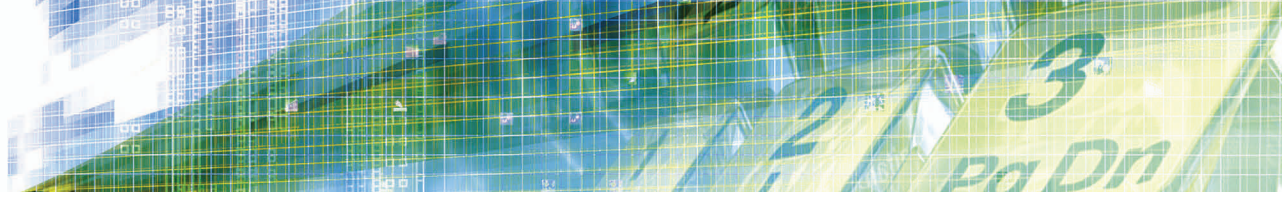
200000

010	IT1	Baseline Item Data	O	1		
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LOOP ID - PID

1000

060	PID	Product/Item Description	O	1		
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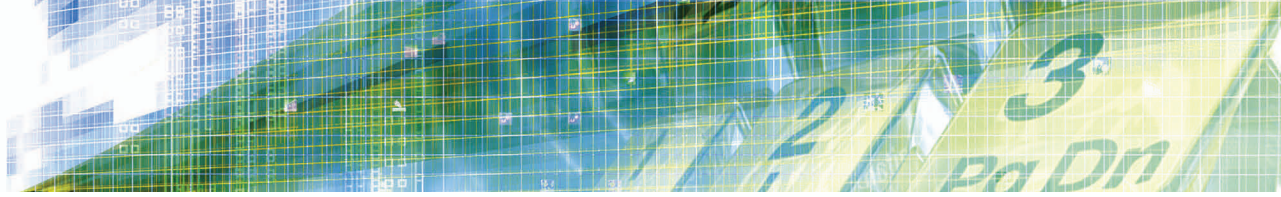


Summary:

<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		
020	TXI	Tax Information	O	10		
<u>LOOP ID - SAC</u>					<u>25</u>	
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
070	CTT	Transaction Totals	O	1		N3/070

Notes:

3/070 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

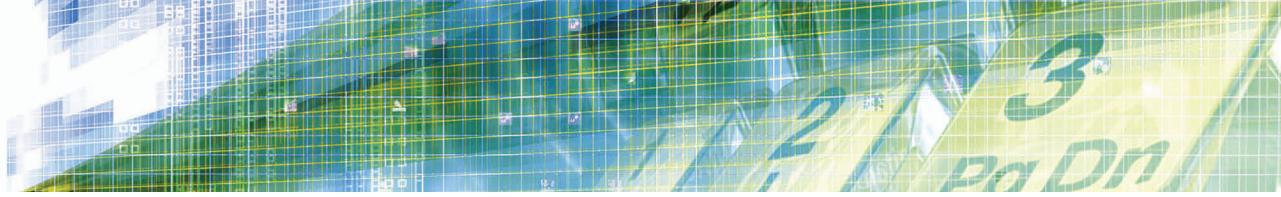
To indicate the start of a transaction set and to assign a control number.

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:

- 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: 7

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	DT	8/8	
BIG02	76	Invoice Number	M	AN	1/22	N1/76
BIG03	373	Date	O	DT	8/8	
BIG04	324	Purchase Order Number	O	AN	1/22	
BIG05	328	Release Number	O	AN	1/30	
BIG06	327	Change Order Sequence Number	O	AN	1/8	
BIG07	640	Transaction Type Code	O	ID	2/2	
		<u>Code</u> <u>Name</u>				
		CR Credit Memo				

Semantics:

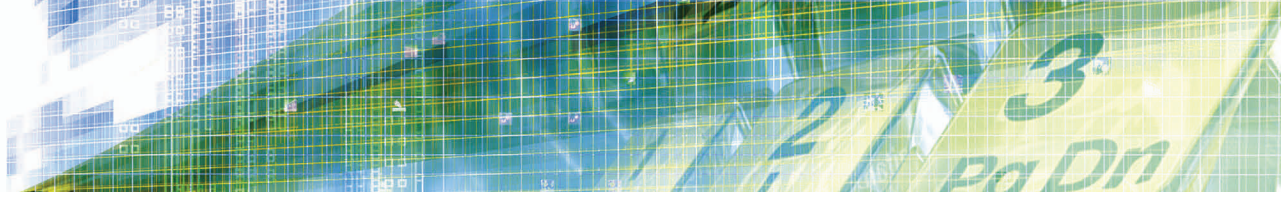
- BIG01 is the invoice issue date.
- BIG03 is the date assigned by the purchaser to purchase order.

Comments:

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

Notes:

1/76 Please refer to EDI Services Guide for additional requirements.



NTE Note/Special Instructions

POS: 030	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

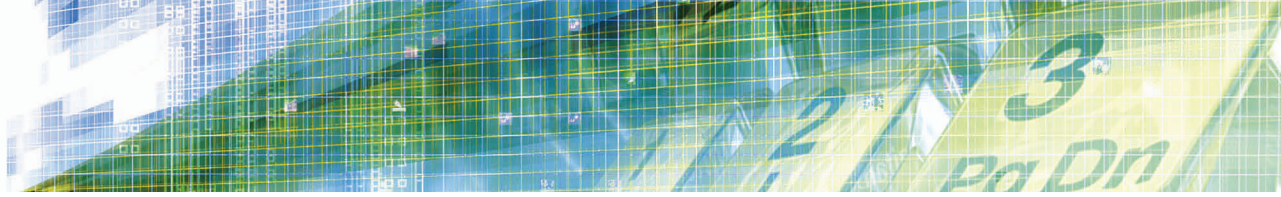
To transmit information in a free-form format, if necessary, for comment or special instructions.

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>
NTE01	363	Note Reference Code <u>Code</u> <u>Name</u> GEN Entire Transaction Set	O	ID	3/3	
NTE02	352	Description	M	AN	1/80	

Comments:

1. The NTE segment permits free-form information/data, which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automation environment.



N1

Name

POS: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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

Element Summary:

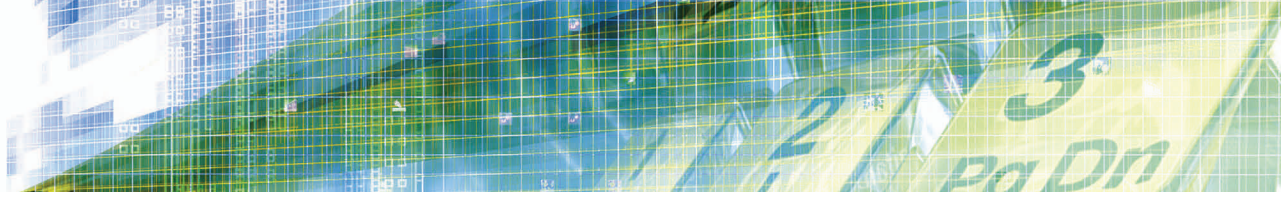
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
N101	98	Entity Identifier Code	M	ID	2/3	
		<u>Code</u> <u>Name</u>				
		BT Bill-to-Party				
		RE Party to receive commercial invoice remittance				
		ST Ship To				
		SE Selling Party				
N102	93	Name	C	AN	1/60	
N103	66	Identifier Code Qualifier	C	ID	1/2	
		<u>Code</u> <u>Name</u>				
		1 D-U-N-S Number, Dun & Bradstreet				
		91 Assigned by Seller or Seller's Agent				
N104	67	Identification Code	C	AN	2/80	

Syntax:

1. R0203 - At least one of N102 or N103 is required.
2. R0304 - If either N103 or N104 are present, then the others are 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.
2. N105 and N106 further define the type of entity in N101.



N2

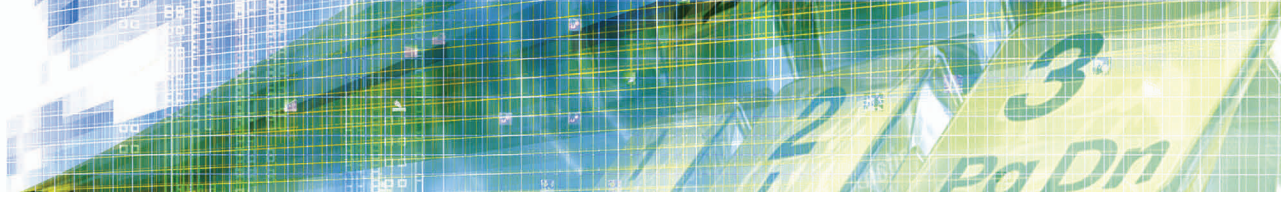
Additional Name Information

POS: 080	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify additional names or those longer than 35 characters in length.

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>
N201	93	Name	M	AN	1/60	
N202	93	Name	C	AN	1/60	



N3

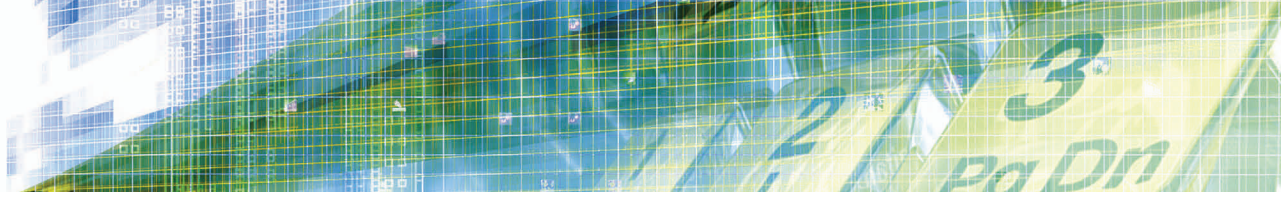
Address Information

POS: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party.

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>
N301	166	Address Information	M	AN	1/55	
N302	166	Address Information	C	AN	1/55	



N4

Geographic Location

POS: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

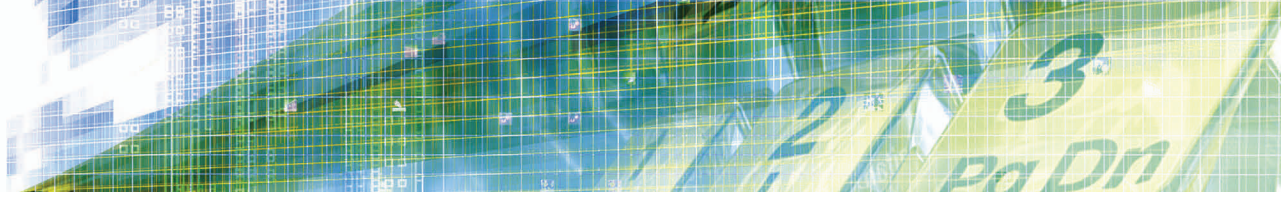
To specify the geographic place of the named party.

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>
N402	19	City Name	O	AN	2/30	
N403	156	State or Province Code	O	ID	2/2	
N404	116	Postal Code	O	ID	3/15	

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.



ITD

Terms of Sale/Deferred Terms of Sale

POS: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

To specify terms of sale.

Element Summary:

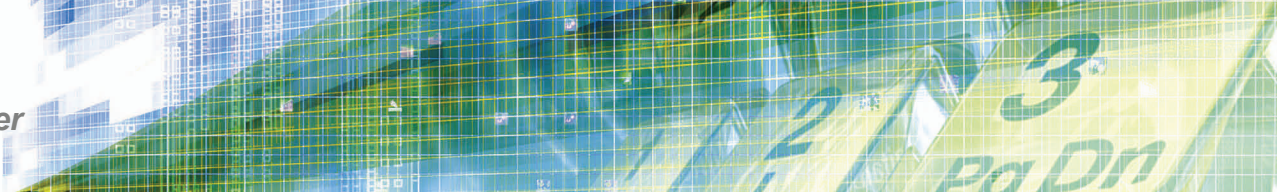
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
ITD01	336	Terms Type Code <u>Code</u> <u>Name</u> 05 Discount Not Applicable	O	ID	2/2	
ITD02	333	Terms Basis Date Code <u>Code</u> <u>Name</u> ZZ Mutually Defined	O	ID	1/2	
ITD03	386	Terms Net Days	O	N0	1/3	N1/386

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes:

1/386 Please refer to EDI Services Guide for additional requirements.



IT1

Baseline Item Data

POS: 010	Max: 1
Heading - Mandatory	
Loop: IT1	Elements: 7

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 Ubviuced	C	R	1/10	
IT103	355	Unit or Basis for Measurement Code	C	ID	2/2	
		<u>Code</u> <u>Name</u>				
		CA Case				
		EA Each				
		GR Gross				
		PC Piece				
		PK Pack (PAK)				
IT104	212	Unit Price	C	R	1/17	
IT105	639	Basis of Unit Price Code	O	ID	2/2	
		<u>Code</u> <u>Name</u>				
		PE Price per Each				
IT106	235	Product/Service ID Qualifier	C	ID	2/2	
		<u>Code</u> <u>Name</u>				
		BP Buyer's Part Number				
		CB Buyer's Catalog Number				
		VC Vendor's (Seller's) Catalog Number				
		VN Vendor's (Seller's) Item Number				
		VP Vendor's (Seller's) Part Number				
IT107	234	Product/Service ID	C	AN	1/48	

Semantics:

- IT101 is the purchase order line item identification.

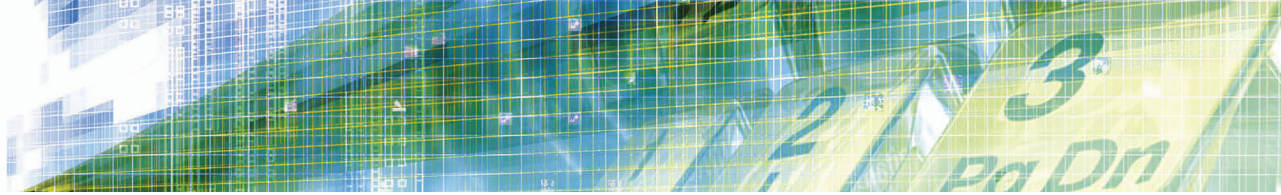


Syntax:

1. P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 -- If either IT106 or IT107 are present
3. P0809 -- If either IT108 or IT109 are present, then the others are required.
4. P1011 -- If either IT110 or IT111 are present, then the others are required.
5. P1213 -- If either IT112 or IT113 are present, then the others are required.
6. P1415 -- If either IT114 or IT115 are present, then the others are required.
7. P1617 -- If either IT116 or IT117 are present, then the others are required.
8. P1819 -- If either IT118 or IT119 are present, then the others are required.
9. P2021 -- If either IT120 or IT121 are present, then the others are required.
10. P2223 -- If either IT122 or IT123 are present, then the others are required.
11. P2425 -- If either IT124 or IT125 are present, then the others are required.

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. T106 through IT125 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.



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:

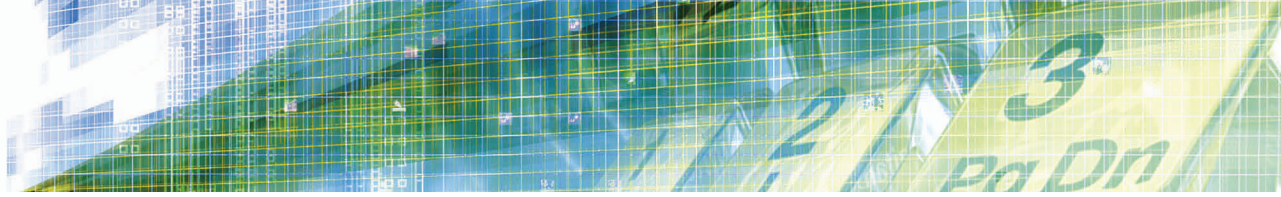
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
PID01	349	Item Description Type <u>Code</u> <u>Name</u> F Free-form	M	ID	1/1	
PID05	352	Description	C	AN	1/80	

Syntax:

1. R0405 - At least one of PID04 or PID05 is required.

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.



TXI

**Total Monetary Value
Summary**

POS: 020	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

To specify tax information.

Element Summary:

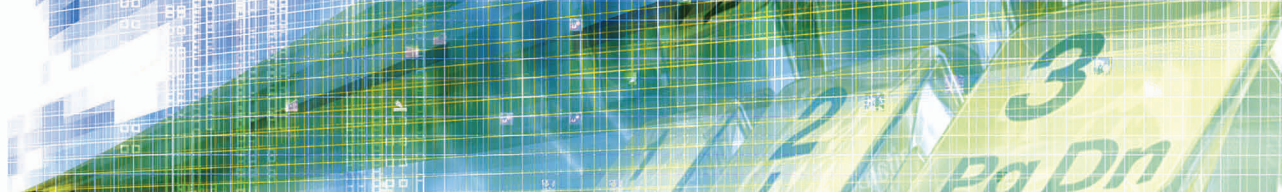
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
TXI01	963	Tax Type Code <u>Code</u> <u>Name</u> ST State Sales Tax	M	ID	2/2	
TXI02	782	Monetary Amount	C	R	1/18	
TXI03	955	Tax Jurisdiction Code Qualifier <u>Code</u> <u>Name</u> CD Customer defined	C	ID	2/2	
TXI04	956	Tax Jurisdiction Code	C	AN	1/10	

Syntax:

1. R020306 -- At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 -- If either TXI04 or TXI05 are present, then the others are required.

Semantics:

1. TXI02 is the monetary amount of the tax.



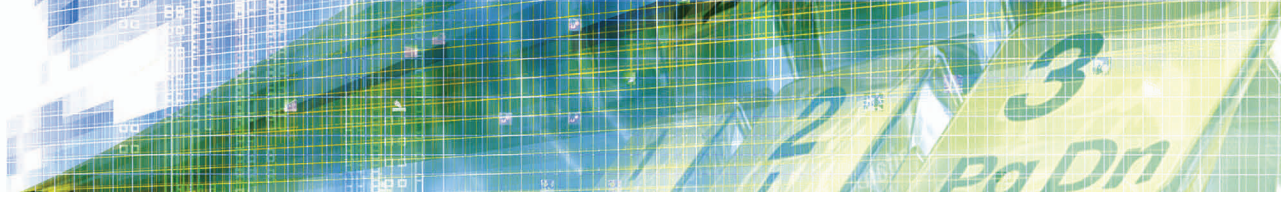
SAC Service, Promotion, Allowance, or Charge Information

POS: 040	Max: 1
Heading - Optional	
Loop: SAC	Elements: 5

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	M	ID	1/1	
		<u>Code</u> <u>Name</u>				
		A Allowance				
		C Charge				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	N1/1300
		<u>Code</u> <u>Name</u>				
		A010 Absolute Minimum Charge				
		C310 Discount				
		C510 Dry Ice				
		D240 Freight				
		D540 Hazardous Materials Handling Fee - Domestic				
		D820 Inside Delivery				
		F150 Packaging Service				
		F155 Packaging				
		F230 Penalty Charge				
		G470 Restocking Charge				
		G830 Shipping and Handling				
		H750 Tax - Sales Tax (State and Local)				
		I250 Transportation Charge (Minimum Rate)				
		I530 Volume Discount				
		ZZZZ Mutually Defined				
SAC05	610	Amount	O	N2	1/15	
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	
		<u>Code</u> <u>Name</u>				
		02 Off Invoice				
		06 Charge to be Paid by Customer				
SAC15	352	Description	C	AN	1/80	



Syntax:

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

Semantics:

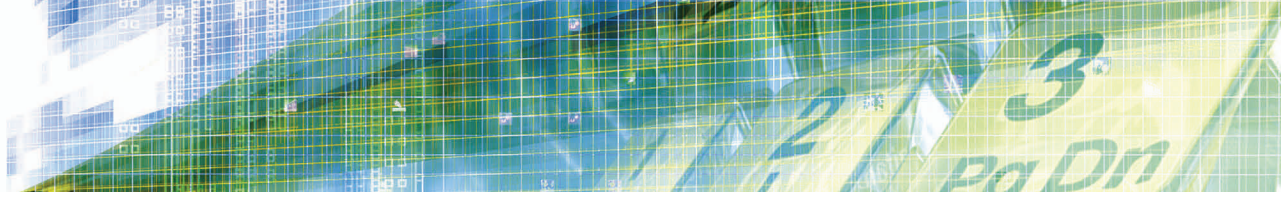
1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:

- 1/1300 Please refer to the *EDI Services Guide* for additional requirements.



CTT Transaction Totals

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

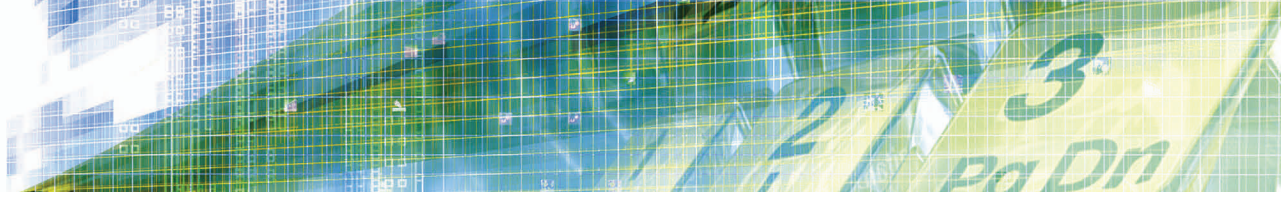
To transmit a has total for a specific element in the transaction set.

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	

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

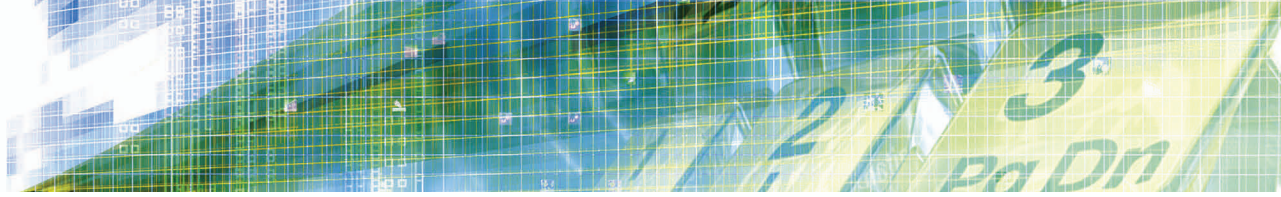
To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

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* *14*004321519IBMP *ZZ*7777777777
*071004*0358*U*00401*000009770*0*P*>
GS*IN*004321519*7777777777*20071004*0358*9770*X*004010
ST*810*9770
BIG*20071003*3150805*20070925*25025003
N1*BT*SPECIAL LABS*91*999999001
N2*1000 PENNSYLVANIA AVE
N4*PITTSBURGH*PA*15222
N1*ST*SPECIAL LABS*91*999999001
N3*1000 PENNSYLVANIA AVE
N4*PITTSBURGH*PA*15222
N1*RE*FISHER SCIENTIFIC COMPANY LLC*1*004321519
N3*2000 PARK LANE
N4*PITTSBURG*PA*15275
ITD*05*ZZ*****30
IT1*001*2*EA*194.35*PE*VP*1230345
PID*F****TRIAGE DOA PANEL 25/PK
TDS*41520
SAC*C*I250***1450*****06***TRANSPORTATION CHARGE
CTT*1
SE*20*9770
GE*1*9770
IEA*1*000009770