

810 - Invoice

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810 Invoice

Functional Group=IN

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
030	NTE	Note/Special Instruction	O	100			Used
050	REF	Reference Identification	O	12			Used
060	PER	Administrative Communications Contact	O	3			Used

<u>LOOP ID - N1</u>					<u>200</u>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

<u>LOOP ID - N1</u>					<u>200</u>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

<u>LOOP ID - N1</u>					<u>200</u>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

<u>LOOP ID - N1</u>					<u>200</u>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

<u>LOOP ID - N1</u>					<u>200</u>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
140	DTM	Date/Time Reference	O	10			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - IT1</u>					<u>200000</u>		
010	IT1	Baseline Item Data (Invoice)	O	1			Used
030	IT3	Additional Item Data	O	5			Used

<u>LOOP ID - PID</u>					<u>1000</u>		
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<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
060	PID	Product/Item Description	O	1			Used
110	ITD	Terms of Sale/Deferred Terms of Sale	O	2			Used
LOOP ID - SAC					25		
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
LOOP ID - SAC					25		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ISS					>1		
060	ISS	Invoice Shipment Summary	O	1			Used
080	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Authorization Information</p> <p>Code Name 00 No Authorization Information Present (No Meaningful Information in I02)</p>							
ISA02	I02	Authorization Information	M	AN	10/10	Must use	1
<p>Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)</p>							
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Security Information</p> <p>Code Name 00 No Security Information Present (No Meaningful Information in I04)</p>							
ISA04	I04	Security Information	M	AN	10/10	Must use	1
<p>Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p>							
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>Code Name 08 UCC EDI Communications ID (Comm ID)</p>							
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use	1
<p>Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element</p> <p>User: 9288030000</p>							
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use	1
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use	1
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use	1
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid X12 codes are used.	M	ID	1/1	Must use	1
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use	1
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use	1
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested	M	ID	1/1	Must use	1
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data	M	ID	1/1	Must use	1
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use	1

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use	1
		Description: Code identifying a group of application related transaction sets					
		Code Name					
		IN Invoice Information (810,819)					
GS02	142	Application Sender's Code	M	AN	2/15	Must use	1
		Description: Code identifying party sending transmission; codes agreed to by trading partners					
		User: 9288030000					
GS03	124	Application Receiver's Code	M	AN	2/15	Must use	1
		Description: Code identifying party receiving transmission. Codes agreed to by trading partners					
GS04	373	Date	M	DT	8/8	Must use	1
		Description: Date expressed as CCYYMMDD					
GS05	337	Time	M	TM	4/8	Must use	1
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
GS06	28	Group Control Number	M	NO	1/9	Must use	1
		Description: Assigned number originated and maintained by the sender					
GS07	455	Responsible Agency Code	M	ID	1/2	Must use	1
		Description: Code used in conjunction with Data Element 480 to identify the issuer of					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		the standard					
		<u>Code Name</u>					
		X Accredited Standards Committee X12					
GS08	480	<u>Version / Release / Industry Identifier Code</u>	M	AN	1/12	Must use	1
		Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed					
		<u>Code Name</u>					
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997					

ST Transaction Set Header

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

User Option (Usage): Must use

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

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).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use	1
		Description: Code uniquely identifying a Transaction Set					
		Code Name					
		810 Invoice					
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					

BIG Beginning Segment for Invoice

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

User Option (Usage): Must use

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
BIG01	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use	1
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22	Must use	1
BIG03	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Used	1
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/22	Used	1

NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

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 automated environment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
NTE02	352	Description	M	AN	1/80	Must use	1
		Description: A free-form description to clarify the related data elements and their content					

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying information

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		VN Vendor Order Number					
REF02	127	Reference Identification	O	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Dot order #</i>					

PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use	1
		Description: Code identifying the major duty or responsibility of the person or group named					
		Code Name					
		SA Sales Administration					
PER02	93	Name	O	AN	1/60	Used	1
		Description: Free-form name					
PER03	365	Communication Number Qualifier	O	ID	2/2	Used	1
		Description: Code identifying the type of communication number					
		Code Name					
		TE Telephone					
PER04	364	Communication Number	O	AN	1/80	Used	1
		Description: Complete communications number including country or area code when applicable					

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other 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.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name ST Ship To	M	ID	2/3	Must use	1
N102	93	Name Description: Free-form name	C	AN	1/60	Used	1
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	Used	1
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

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

User Option (Usage): Used

To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other 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.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name BT Bill-to-Party	M	ID	2/3	Must use	1
N102	93	Name Description: Free-form name	C	AN	1/60	Used	1
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	Used	1
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

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

User Option (Usage): Used

To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other 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.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1
		Description: Code identifying an organizational entity, a physical location, property or an individual					
		Code Name					
		RE Party to receive commercial invoice remittance					
N102	93	Name	C	AN	1/60	Used	1
		Description: Free-form name					
N103	66	Identification Code Qualifier	C	ID	1/2	Used	1
		Description: Code designating the system/method of code structure used for Identification Code (67)					
		Code Name					
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix					
N104	67	Identification Code	C	AN	2/80	Used	1
		Description: Code identifying a party or other code					

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

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

User Option (Usage): Used

To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other 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.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name SF Ship From	M	ID	2/3	Must use	1
N102	93	Name Description: Free-form name	C	AN	1/60	Used	1
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	Used	1
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

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

User Option (Usage): Used

To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other 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.
2. N105 and N106 further define the type of entity in N101.

User:

This N1 loop will only be sent on invoices for cross-dock orders.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name SN Store	M	ID	2/3	Must use	1
N102	93	Name Description: Free-form name	C	AN	1/60	Used	1
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	Used	1
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

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

User Option (Usage): Used

To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To specify terms of sale

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ITD01	336	Terms Type Code	O	ID	2/2	Used	1
		Description: Code identifying type of payment terms					
		Code Name					
		01 Basic					
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used	1
		Description: Code identifying the beginning of the terms period					
		Code Name					
		3 Invoice Date					
ITD04	370	Terms Discount Due Date	O	DT	8/8	Used	1
		Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD					
ITD06	446	Terms Net Due Date	O	DT	8/8	Used	1
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD					
ITD08	362	Terms Discount Amount	O	N2	1/10	Used	1
		Description: Total amount of terms discount					

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use	1
		Description: Code specifying type of date or time, or both date and time					
		Code Name					
		011 Shipped					
DTM02	373	Date	O	DT	8/8	Used	1
		Description: Date expressed as CCYYMMDD					

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 12

User Option (Usage): Used

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

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is 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 for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IT102	358	Quantity Invoiced	C	R	1/10	Used	1
		Description: Number of units invoiced (supplier units)					
IT103	355	Unit or Basis for Measurement Code	C	ID	2/2	Used	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		Code Name					
		CA Case					
IT104	212	Unit Price	C	R	1/17	Used	1
		Description: Price per unit of product, service, commodity, etc.					
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used	1
		Description: Code identifying the type of unit price for an item					
		User: <i>This element will only be populated if the item is priced per pound.</i>					
		Code Name					
		PP Price per Pound					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name UA U.P.C./EAN Case Code (2-5-5) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)	O	ID	2/2	Used	1
IT107	234	Product/Service ID Description: Identifying number for a product or service	O	AN	1/48	Used	1
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name MG Manufacturer's Part Number	O	ID	2/2	Used	1
IT109	234	Product/Service ID Description: Identifying number for a product or service User: <i>Manufacturer's item number</i>	O	AN	1/48	Used	1
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name VN Vendor's (Seller's) Item Number	O	ID	2/2	Used	1
IT111	234	Product/Service ID Description: Identifying number for a product or service User: <i>Dot Foods' item number</i>	O	AN	1/48	Used	1
IT112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name PI Purchaser's Item Code	O	ID	2/2	Used	1
IT113	234	Product/Service ID Description: Identifying number for a product or service User: <i>Customer's Item Number</i>	O	AN	1/48	Used	1

IT3 Additional Item Data

Pos: 030	Max: 5
Detail - Optional	
Loop: IT1	Elements: 2

User Option (Usage): Used

To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

Syntax Rules:

1. P0102 - If either IT301 or IT302 is present, then the other is required.
2. R01030405 - At least one of IT301, IT303, IT304 or IT305 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IT301	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	O	R	1/10	Used	1
IT302	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid X12 codes are used.	O	ID	2/2	Used	1

PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

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

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

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.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
PID01	349	Item Description Type	M	ID	1/1	Must use	1
		Description: Code indicating the format of a description					
		Code Name					
		F Free-form					
PID05	352	Description	O	AN	1/80	Used	1
		Description: A free-form description to clarify the related data elements and their content					

ITD Terms of Sale/Deferred Terms of Sale

Pos: 110	Max: 2
Detail - Optional	
Loop: IT1	Elements: 6

User Option (Usage): Used

To specify terms of sale

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ITD01	336	Terms Type Code	O	ID	2/2	Used	1
		Description: Code identifying type of payment terms					
		Code Name					
		01 Basic					
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used	1
		Description: Code identifying the beginning of the terms period					
		Code Name					
		3 Invoice Date					
ITD03	338	Terms Discount Percent	O	R	1/6	Used	1
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date					
ITD05	351	Terms Discount Days Due	O	N0	1/3	Used	1
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned					
ITD06	446	Terms Net Due Date	O	DT	8/8	Used	1
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD					
ITD08	362	Terms Discount Amount	O	N2	1/10	Used	1
		Description: Total amount of terms discount					

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: SAC	Elements: 9

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 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.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1
		Description: Code which indicates an allowance or charge for the service specified					
		Code Name					
		A Allowance					
		C Charge					
SAC02	1300	Service, Promotion, Allowance, or Charge Code	O	ID	4/4	Used	1
		Description: Code identifying the service, promotion, allowance, or charge					
		Code Name					
		C040 Delivery					

Code Name

D240 Freight
F170 Pallet Exchange Charge
F340 Pick/Up
F800 Promotional Allowance
H625 Tax - Beverage Tax
I170 Trade Discount

SAC05	610	Amount	O	N2	1/15	Used	1
		Description: Monetary amount					
SAC08	118	Rate	O	R	1/9	Used	1
		Description: Rate expressed in the standard monetary denomination for the currency specified					
SAC09	355	Unit or Basis for Measurement Code	O	ID	2/2	Used	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		All valid X12 codes are used.					
SAC10	380	Quantity	O	R	1/15	Used	1
		Description: Numeric value of quantity					
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used	1
		Description: Code indicating method of handling for an allowance or charge					
		<u>Code Name</u>					
		06 Charge to be Paid by Customer					
SAC13	127	Reference Identification	O	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
SAC15	352	Description	O	AN	1/80	Used	1
		Description: A free-form description to clarify the related data elements and their content					

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

To specify the total invoice discounts and amounts

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
TDS01	610	Amount	M	N2	1/15	Must use	1

Description: Monetary amount

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 9

User Option (Usage): Used

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

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 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.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1
		Description: Code which indicates an allowance or charge for the service specified					
		Code Name					
		A Allowance					
		C Charge					
SAC02	1300	Service, Promotion, Allowance, or Charge Code	O	ID	4/4	Used	1
		Description: Code identifying the service, promotion, allowance, or charge					
		Code Name					
		C040 Delivery					

Code Name

D240 Freight
F170 Pallet Exchange Charge
F340 Pick/Up
F800 Promotional Allowance
H625 Tax - Beverage Tax
I170 Trade Discount

SAC05	610	Amount	O	N2	1/15	Used	1
		Description: Monetary amount					
SAC08	118	Rate	O	R	1/9	Used	1
		Description: Rate expressed in the standard monetary denomination for the currency specified					
SAC09	355	Unit or Basis for Measurement Code	O	ID	2/2	Used	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		All valid X12 codes are used.					
SAC10	380	Quantity	O	R	1/15	Used	1
		Description: Numeric value of quantity					
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used	1
		Description: Code indicating method of handling for an allowance or charge					
		<u>Code Name</u>					
		06 Charge to be Paid by Customer					
SAC13	127	Reference Identification	O	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
SAC15	352	Description	O	AN	1/80	Used	1
		Description: A free-form description to clarify the related data elements and their content					

ISS Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Optional	
Loop: ISS	Elements: 6

User Option (Usage): Used

To specify summary details of total items shipped in terms of quantity, weight, and volume

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISS01	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	O	R	1/10	Used	1
ISS02	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> UN Unit	O	ID	2/2	Used	1
ISS03	81	Weight Description: Numeric value of weight	O	R	1/10	Used	1
ISS04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> LB Pound	O	ID	2/2	Used	1
ISS05	183	Volume Description: Value of volumetric measure	O	R	1/8	Used	1
ISS06	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> CF Cubic Feet	O	ID	2/2	Used	1

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Must use	1
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use	1
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element					
GE02	28	Group Control Number	M	N0	1/9	Must use	1
		Description: Assigned number originated and maintained by the sender					

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IEA01	I16	Number of Included Functional Groups	M	NO	1/5	Must use	1
		Description: A count of the number of functional groups included in an interchange					
IEA02	I12	Interchange Control Number	M	NO	9/9	Must use	1
		Description: A control number assigned by the interchange sender					

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