Electronic Commerce Service Center

810 Invoice/Garden Ridge-Trading Partner Specification

Functional Group ID=IN

Introduction:

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.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ISA	Interchange Control Header	M	1		
M	005	GS	Functional Group Header	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
			LOOP ID - N1			200	
M	070	N1	Name	M	1		
			LOOP ID - N1			200	
M	070	N1	Name	M	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	TDS	Total Monetary Value Summary	M	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		
M	085	GE	Functional Group Trailer	M	1		
M	100	IEA	Interchange Control Trailer	M	1		

Transaction Set Notes

1. 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.

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Segment:	**ISA** Interchange Control Header		
Position:	010		
Loop:			
Level:	Heading		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To start and identify an interchange of zero or more functional groups and interchange-related control segments		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ISA01	I01	**Authorization Information Qualifier**	M ID 2/2

Code to identify the type of information in the Authorization Information

00	No Authorization Information Present (No Meaningful Information in I02)

M	ISA02	I02	**Authorization Information**	M AN 10/10

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)

M	ISA03	I03	**Security Information Qualifier**	M ID 2/2

Code to identify the type of information in the Security Information

00	No Security Information Present (No Meaningful Information in I04)

M	ISA04	I04	**Security Information**	M AN 10/10

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)

M	ISA05	I05	**Interchange ID Qualifier**	M ID 2/2

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

M	ISA06	I06	**Interchange Sender ID**	M AN 15/15

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

M	ISA07	I05	**Interchange ID Qualifier**	M ID 2/2

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

12	Phone (Telephone Companies)

M	ISA08	I07	**Interchange Receiver ID**	M AN 15/15

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

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M	ISA09	I08	**Interchange Date**	M	DT 6/6

Date of the interchange

M	ISA10	I09	**Interchange Time**	M	TM 4/4

Time of the interchange

M	ISA11	I10	**Interchange Control Standards Identifier**	M	ID 1/1

Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
Refer to 004010 Data Element Dictionary for acceptable code values.

M	ISA12	I11	**Interchange Control Version Number**	M	ID 5/5

This version number covers the interchange control segments

00400   Standard Issued as ANSI X12.5-1997

M	ISA13	I12	**Interchange Control Number**	M	N0 9/9

A control number assigned by the interchange sender

M	ISA14	I13	**Acknowledgment Requested**	M	ID 1/1

Code sent by the sender to request an interchange acknowledgment (TA1)

0   No Acknowledgment Requested

M	ISA15	I14	**Usage Indicator**	M	ID 1/1

Code to indicate whether data enclosed by this interchange envelope is test, production or information

P   Production Data

T   Test Data

M	ISA16	I15	**Component Element Separator**	M	AN 1/1

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

Segment:	**GS** Functional Group Header		
Position:	005		
Loop:			
Level:	Heading		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To indicate the beginning of a functional group and to provide control information		
Syntax Notes:			
Semantic Notes:	**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.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	GS01	479	**Functional Identifier Code**	M ID 2/2
			Code identifying a group of application related transaction sets	
			IN Invoice Information (810,819)	
M	GS02	142	**Application Sender's Code**	M AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
M	GS03	124	**Application Receiver's Code**	M AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners	
			2815797901T - for testing	
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M	GS04	373	**Date**	M DT 8/8
			Date expressed as CCYYMMDD	
M	GS05	337	**Time**	M TM 4/8
			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)	
M	GS06	28	**Group Control Number**	M N0 1/9
			Assigned number originated and maintained by the sender	
M	GS07	455	**Responsible Agency Code**	M ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
M	GS08	480	**Version / Release / Industry Identifier Code**	M AN 1/12
			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

004010   Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	**1**	The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			'810'		
			810 Invoice		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment:	**BIG** Beginning Segment for Invoice		
Position:	020		
Loop:			
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates		
Syntax Notes:			
Semantic Notes:	**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.	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	BIG01	373	**Date**		**M**	**DT 8/8**
			Date expressed as CCYYMMDD			
			Invoice-Date			
M	BIG02	76	**Invoice Number**		**M**	**AN 1/22**
			Identifying number assigned by issuer			
M	BIG04	324	**Purchase Order Number**		**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser			
			Manditory field for Garden Ridge - from the Purchase Order - BEG03			
	BIG07	640	**Transaction Type Code**		**O**	**ID 2/2**
			Code specifying the type of transaction			
			Mandatory field for Garden Ridge - 'CN'			
			CN Credit Invoice			

Segment:		**N1** Name			
Position:		070			
Loop:		N1 Mandatory			
Level:		Detail			
Usage:		Mandatory			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		**1**	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
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.		
Notes:		Manditory segment for Garden Ridge			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			'VN'		
			VN Vendor		
>>	N103	66	**Identification Code Qualifier**		X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			'ZZ'		
			ZZ Mutually Defined		
>>	N104	67	**Identification Code**		X AN 2/80
			Code identifying a party or other code		
			Manditory field for Garden Ridge from Purchase Order - N104(when N101 = 'VN')		

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Segment:	**N1** Name	
Position:	070	
Loop:	N1	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
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.
Notes:	Manditory segment for Garden Ridge	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			'ST'	
			ST Ship To	
>>	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			'ZZ'	
			ZZ Mutually Defined	
>>	N104	67	**Identification Code**	X AN 2/80
			Code identifying a party or other code	
			Manditory field for Garden Ridge from Purchase Order - SDQ(identification code)	

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Segment:	**ITD** Terms of Sale/Deferred Terms of Sale	
Position:	130	
Loop:		
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify terms of sale	
Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD03	338	**Terms Discount Percent**	O	R 1/6
		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**	X	N0 1/3
		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
		Date when total invoice amount becomes due expressed in format CCYYMMDD		
ITD07	386	**Terms Net Days**	O	N0 1/3
		Number of days until total invoice amount is due (discount not applicable)		

Segment:	**IT1** Baseline Item Data (Invoice)		
Position:	010		
Loop:	IT1 Mandatory		
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions		

Syntax Notes:
1. If any of IT102 IT103 or IT104 is present, then all are required.
2. If either IT106 or IT107 is present, then the other is required.
3. If either IT108 or IT109 is present, then the other is required.
4. If either IT110 or IT111 is present, then the other is required.
5. If either IT112 or IT113 is present, then the other is required.
6. If either IT114 or IT115 is present, then the other is required.
7. If either IT116 or IT117 is present, then the other is required.
8. If either IT118 or IT119 is present, then the other is required.
9. If either IT120 or IT121 is present, then the other is required.
10. If either IT122 or IT123 is present, then the other is required.
11. If either IT124 or IT125 is present, then the other is required.

Semantic Notes:
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.

Notes: Manditory segment for Garden Ridge. Please enter VN, CB, and UP and corresponding value in any of IT106 - IT107, IT108 - IT109, IT110 - IT111 pairs.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**IT102**	**358**	**Quantity Invoiced**	**X**	**R 1/10**
			Number of units invoiced (supplier units)		
	IT103	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	**IT104**	**212**	**Unit Price**	**M**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
			Manditory field for Garden Ridge from Purchase Order - PO104		
>>	**IT105**	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
			PE Price per Each		
	IT106	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			'VN' or 'CB' or 'UP'		
			CB Buyer's Catalog Number		
			UP U.P.C. Consumer Package Code (1-5-5-1)		

		VN	Vendor's (Seller's) Item Number		
IT107	**234**	**Product/Service ID**		**X**	**AN 1/48**
		Identifying number for a product or service			
		Vendor Number or Buyers Catalog Number or UPC Code			
IT108	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		'VN' or 'CB' or 'UP'			
		CB	Buyer's Catalog Number		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		VN	Vendor's (Seller's) Item Number		
IT109	**234**	**Product/Service ID**		**X**	**AN 1/48**
		Identifying number for a product or service			
		Vendor Number or Buyers Catalog Number or UPC Code			
IT110	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		'VN' or 'CB' or 'UP'			
		CB	Buyer's Catalog Number		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		VN	Vendor's (Seller's) Item Number		
IT111	**234**	**Product/Service ID**		**X**	**AN 1/48**
		Identifying number for a product or service			
		Vendor Number or Buyers Catalog Number or UPC Code			

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Segment:	**PID** Product/Item Description	
Position:	060	
Loop:	PID	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To describe a product or process in coded or free-form format	
Syntax Notes:	**1**	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	**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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	**Item Description Type**	M ID 1/1
			Code indicating the format of a description	
			'F'	
			F Free-form	
	PID05	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	

GE Information Services

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Segment:	**TDS** Total Monetary Value Summary	
Position:	010	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the total invoice discounts and amounts	
Syntax Notes:		
Semantic Notes:	**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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	TDS01	610	Amount	M	N2 1/15
			Monetary amount		

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Segment:	**CTT** **Transaction Totals**	
Position:	070	
Loop:		
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit a hash total for a specific element in the transaction set	
Syntax Notes:	**1**	If either CTT03 or CTT04 is present, then the other is required.
	2	If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:		
Comments:	**1**	This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items**	**M** **N0 1/6**
			Total number of line items in the transaction set	

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Segment:	**SE** Transaction Set Trailer		
Position:	080		
Loop:			
Level:	Summary		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)		
Syntax Notes:			
Semantic Notes:			
Comments:	1	SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:	**GE** Functional Group Trailer	
Position:	085	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the end of a functional group and to provide control information	
Syntax Notes:		
Semantic Notes:	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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	GE01	97	**Number of Transaction Sets Included**	M	N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element		
M	GE02	28	**Group Control Number**	M	N0 1/9
			Assigned number originated and maintained by the sender		

Segment:	**IEA** Interchange Control Trailer			
Position:	100			
Loop:				
Level:	Summary			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments			
Syntax Notes:				
Semantic Notes:				
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	IEA01	I16	**Number of Included Functional Groups**	M N0 1/5
			A count of the number of functional groups included in an interchange	
M	IEA02	I12	**Interchange Control Number**	M N0 9/9
			A control number assigned by the interchange sender	