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ecUtopia
Beyond EDI

TrueCommerce/ecUtopia Retailer Implementation Guidelines

Version 4010 X12 2.8

Revisions from Last Specifications:

All loops and segments MUST be sent in the same order as they are displayed in the specifications.

All interchanges must be sent with a printable character as segment terminators.

2.8 Revisions:

850-

DTM – added qualifiers for 037, 038, 087 and 077.

N9 – added note for mandatory/optional setting

BEG – new BEG02 options for FL and CF

860-

BCH – new BCH02 options for FL and CF

810-

DTM- updated qualifier

870-

ISR- new ISR01 qualifier and adjusted condition for
ISR02

2.7 Revisions:

846-

REF – added for indicating DC.

LIN08 & LIN09 – added for Brand.

QTY01 – 27 code added.

997 – added.

2.6 Revisions:

860-

ST01 – changed to correct value of 860.

BCH02 – “ZZ” code added.

850-

MAN – note added.

2.5 Revisions:

810-

SAC06 – “Z” code added.

850 –
TD504 – 5 new codes added.

855-
BAK08 – note added.

856 –
REF*BM – note added.

846 –
DTM – note added.

2.4 Revisions:

855-
BAK01 – “08” code added.

2.3 Revisions:

850-
N1 – page added to the PO1 loop. Segment is optional.

2.2 Revisions:

864-
MIT02 – changed to Mandatory.

856-
REF*IA – moved to order level.
DTM – changed to mandatory.
N1 SF loop and ST loop – put on separate pages. The ST loop must come first and the SF loop must come second.
N401, N402, & N403 – changed to mandatory.
LIN – qualifiers for SKU (SK), VSN (VN), and UPC (UP) now have mandatory positions.
PACK Level – changed to conditional. CTT – changed to mandatory.

855-
REF – changed to mandatory.
PO101 through PO109 – changed to mandatory.
ACK02, ACK03, ACK04, & ACK05 – changed to mandatory. CTT – changed to mandatory.

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
M	050	REF	Reference Identification	M	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
M	150	DTM	Date/Time Reference	M	10		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - N9						1000	
	295	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	1000		
LOOP ID - N1						200	
M	310	N1	Name	M	1		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	>1		
	360	PER	Administrative Communications Contact	O	>1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1						100000	
M	010	PO1	Baseline Item Data	M	1		n1
LOOP ID - PID						1000	
	050	PID	Product/Item Description	O	1		
	280	MAN	Marks and Numbers	O	1000		
	350	N1	Name	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
ecUtopia 850 004010

2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3
ST02	329	Transaction Set Control Number 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

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order CN Consigned Order DS Dropship OS Special Order SA Stand-alone Order ZZ Mutually Defined FL Floor Sample CF Container Floor	M ID 2/2
BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
BEG05	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	Terms Type Code Code identifying type of payment terms 01 Basic	O ID 2/2
ITD12	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	<u>M ID 3/3</u>
DTM01	374	Code specifying type of date or time, or both date and time 001 Cancel After 002 Delivery Requested 010 Requested Ship 037 Ship Not Before 038 Ship No Later 087 Requested for Shipment (Week Of) 077 Requested for Delivery (Week OF)	
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD504	91	Transportation Method/Type Code	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		A Air	
		LT Less Than Trailer Load (LTL)	
		M Motor (Common Carrier)	
		O Containerized Ocean	
		U Private Parcel Service	
TD505	387	Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
TD512	284	Service Level Code	X ID 2/2
		Code indicating the level of transportation service or the billing service offered by the transportation carrier	
		ND Next Day Air	
		Delivery during business day hours of next business day	
		SE Second Day	
		SG Standard Ground	

Segment: **N9** Reference Identification
Position: 295
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Notes: If N9 segment is sent, then N901 must be sent, otherwise nothing needs sent.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **MSG** Message Text
Position: 300
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264

Segment: **N1** Name
Position: 310
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	Attributes
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party ST Ship To	M ID 2/3
N102	93	Name Free-form name	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **N3** Address Information
Position: 330
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 340
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **PER** Administrative Communications Contact
Position: 360
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named CN General Contact	X ID 2/2
PER02	93	Name Free-form name	X AN 1/60
PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail	X ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER07	365	Communication Number Qualifier Code identifying the type of communication number FX Facsimile	X ID 2/2
PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
PO102	330	Quantity Ordered Quantity ordered	X R 1/15
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	O ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU) UP U.P.C. Consumer Package Code (1-5-5-1) VN Vendor's (Seller's) Item Number	X ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X AN 1/48
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU) UP U.P.C. Consumer Package Code (1-5-5-1) VN Vendor's (Seller's) Item Number	X ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	X AN 1/48
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU) UP U.P.C. Consumer Package Code (1-5-5-1) VN Vendor's (Seller's) Item Number	X ID 2/2
PO111	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format

Data Element Summary

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

Segment: **MAN** Marks and Numbers
Position: 280
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To indicate identifying marks and numbers for shipping containers
Notes: When the MAN segment is utilized, the amount of MAN segments will match the quantity of that item. For example, if the quantity in the PO102 = 3, then there will be 3 MAN segments.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
		Code specifying the application or source of Marks and Numbers (87)	
		GM SSCC-18 and Application Identifier	
MAN02	87	Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	

Segment: **N1** Name
Position: 350
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: The N1*SO will contain the retailer's customer information. If populated, this information should be included in any label requirement.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SO Sold To If Different From Bill To	M ID 2/3
N102	93	Name Free-form name	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
N104	67	Identification Code Code identifying a party or other code If the N104 is populated, it will contain the customer's sales order.	X AN 2/80

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 030
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)

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u> <u>Name</u>	<u>Attributes</u>
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

860 Purchase Order Change Request - Buyer Initiated

Functional Group ID=**PC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BCH	Beginning Segment for Purchase Order Change	M	1		
M	050	REF	Reference Identification	M	>1		
LOOP ID - N9						1000	
	285	N9	Reference Identification	O	1		
	290	MSG	Message Text	O	1000		
LOOP ID - N1						200	
	300	N1	Name	O	1		
	320	N3	Address Information	O	2		
	330	N4	Geographic Location	O	>1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - POC						>1	
M	010	POC	Line Item Change	M	1		
LOOP ID - PID						1000	
	050	PID	Product/Item Description	O	1		
	200	DTM	Date/Time Reference	O	10		
	270	MAN	Marks and Numbers	O	1000		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
	010	CTT	Transaction Totals	O	1		nl
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		860 Purchase Order Change Request - Buyer Initiated	
ST02	329	Transaction Set Control Number 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

Segment: **BCH** Beginning Segment for Purchase Order Change
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BCH01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		01 Cancellation	
		04 Change	
BCH02	92	Purchase Order Type Code	M ID 2/2
		Code specifying the type of Purchase Order	
		CN Consigned Order	
		DS Dropship	
		OS Special Order	
		SA Stand-alone Order	
		ZZ Mutually Defined	
		FL Floor Sample	
		CF Container Floor	
BCH03	324	Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
BCH06	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	
BCH11	373	Date	O DT 8/8
		Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N9** Reference Identification
Position: 285
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **MSG** Message Text
Position: 290
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264

Segment: **N1** Name
Position: 300
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	Attributes
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party ST Ship To	M ID 2/3
N102	93	Name Free-form name	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **N3** Address Information
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: POC Line Item Change
Position: 010
Loop: POC Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify changes to a line item

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
POC01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
POC02	670	Change or Response Type Code Code specifying the type of change to the line item	M ID 2/2
		AI Add Additional Item(s)	
		CA Changes To Line Items	
		CT Change of Dates	
		DI Delete Item(s)	
		NC Concurrent Item (No Change)	
		PC Price Change	
		QD Quantity Decrease	
		QI Quantity Increase	
POC03	330	Quantity Ordered Quantity ordered	O R 1/15
POC04	671	Quantity Left to Receive Quantity left to receive as qualified by the unit of measure	X R 1/9
POC05	C001	Composite Unit of Measure To identify a composite unit of measure	X
C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
		EA Each	
POC06	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
POC08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
		SK Stock Keeping Unit (SKU)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		VN Vendor's (Seller's) Item Number	
POC09	234	Product/Service ID Identifying number for a product or service	X AN 1/48
POC10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
		SK Stock Keeping Unit (SKU)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		VN Vendor's (Seller's) Item Number	
POC11	234	Product/Service ID Identifying number for a product or service	X AN 1/48
POC12	235	Product/Service ID Qualifier	X ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

SK Stock Keeping Unit (SKU)

UP U.P.C. Consumer Package Code (1-5-5-1)

VN Vendor's (Seller's) Item Number

POC13 **234** **Product/Service ID** **X** **AN 1/48**
Identifying number for a product or service

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format

Data Element Summary

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

Segment: **DTM** Date/Time Reference
Position: 200
Loop: POC Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		002 Delivery Requested	
		010 Requested Ship	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	

Segment: **MAN** Marks and Numbers
Position: 270
Loop: POC Mandatory
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To indicate identifying marks and numbers for shipping containers

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
		Code specifying the application or source of Marks and Numbers (87)	
		GM SSCC-18 and Application Identifier	
MAN02	87	Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 030
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)

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u> <u>Name</u>	<u>Attributes</u>
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
M	050	REF	Reference Identification	M	>1		
LOOP ID - N9						1000	
	280	N9	Reference Identification	O	1		
	290	MSG	Message Text	O	1000		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1						100000	
M	010	PO1	Baseline Item Data	M	1		n1
M	270	ACK	Line Item Acknowledgment	M	1		
LOOP ID - N9						1000	
	350	N9	Reference Identification	O	1		
	360	MSG	Message Text	O	1000		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
M	010	CTT	Transaction Totals	M	1		n2
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
	855	Purchase Order Acknowledgment	
ST02	329	Transaction Set Control Number 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

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BAK01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		00 Original	
		08 Status	
BAK02	587	Acknowledgment Type	M ID 2/2
		Code specifying the type of acknowledgment	
		AC Acknowledge - With Detail and Change	
		AD Acknowledge - With Detail, No Change	
BAK03	324	Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
BAK04	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	
BAK08	127	Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		This field must contain a unique document number representing the 855. This would be equivalent to a PO number on an 850 or an invoice number on an 810.	
BAK09	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The REF02 MUST match the REF02 sent in the 850.	M AN 1/30

Segment: **N9** Reference Identification
Position: 280
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **MSG** Message Text
Position: 290
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information
Notes: If the N9 segment exists, then the MSG segment is mandatory.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text	Free-form message text	M AN 1/264

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set PO101 MUST match the PO101 sent in the 850.	M AN 1/20
PO102	330	Quantity Ordered Quantity ordered PO102 MUST match the PO102 sent in the 850.	M R 1/15
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	M R 1/17
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	M ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	M AN 1/48
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	M ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	M AN 1/48
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	O ID 2/2
PO111	234	Product/Service ID Identifying number for a product or service	O AN 1/48

Segment: **ACK** Line Item Acknowledgment
Position: 270
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ACK01	668	Line Item Status Code	M ID 2/2
		Code specifying the action taken by the seller on a line item requested by the buyer	
		IA Item Accepted	
		IB Item Backordered	
		IR Item Rejected	
ACK02	380	Quantity	M R 1/15
		Numeric value of quantity	
		The ACK02 is the actual quantity that is being acknowledged on the order.	
		If the ACK02 matches the PO102, then the ACK01 must contain IA.	
		If the ACK02 is less than the PO102, then the ACK01 must contain IB.	
		If the ACK02 is equal to 0 and the item is fully rejected, then the ACK01 must contain IR.	
ACK03	355	Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA Each	
ACK04	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		010 Requested Ship	
ACK05	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **N9** Reference Identification
Position: 350
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **MSG** Message Text
Position: 360
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information
Notes: If the N9 segment exists, then the MSG segment is mandatory.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text	Free-form message text	M AN 1/264

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Mandatory
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 030
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)

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u> <u>Name</u>	<u>Attributes</u>
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - HL							200000
M	010	HL	Hierarchical Level	M	1		
M	110	TD1	Carrier Details (Quantity and Weight)	M	20		
M	120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		
M	150	REF	Reference Identification	M	>1		
M	200	DTM	Date/Time Reference	M	10		
	210	FOB	F.O.B. Related Instructions	O	1		
LOOP ID - N1							200
M	220	N1	Name	M	1		
M	240	N3	Address Information	M	2		
M	250	N4	Geographic Location	M	1		
M	220	N1	Name	M	1		
M	240	N3	Address Information	M	2		
M	250	N4	Geographic Location	M	1		
LOOP ID - HL							200000
M	010	HL	Hierarchical Level	M	1		
M	050	PRF	Purchase Order Reference	M	1		
M	150	REF	Reference Identification	M	>1		
LOOP ID - HL							200000
M	010	HL	Hierarchical Level	M	1		
M	020	LIN	Item Identification	M	1		
M	030	SN1	Item Detail (Shipment)	M	1		
LOOP ID - HL							200000
M	010	HL	Hierarchical Level	M	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	CTT	Transaction Totals	M	1		nl
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M ID 3/3
ST02	329	Transaction Set Control Number 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

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment	M AN 2/30
BSN03	373	Date Date expressed as CCYYMMDD	M DT 8/8
BSN04	337	Time 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 TM 4/8
BSN05	1005	Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0002 Shipment, Order, Item, Packaging 0004 Shipment, Order, Item	M ID 4/4

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		S Shipment	

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 110
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD101	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required CTN Carton	M AN 3/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7
TD106	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/2
TD107	81	Weight Numeric value of weight	M R 1/10
TD108	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	M ID 2/2
TD109	183	Volume Value of volumetric measure	X R 1/8
TD110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CF Cubic Feet	X ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 120
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD501	133	Routing Sequence Code	M ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	Identification Code Qualifier	M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		2 Standard Carrier Alpha Code (SCAC)	
TD503	67	Identification Code	M AN 2/80
		Code identifying a party or other code	
TD504	91	Transportation Method/Type Code	M ID 1/2
		Code specifying the method or type of transportation for the shipment	
		A Air	
		M Motor (Common Carrier)	
		O Containerized Ocean	
		U Private Parcel Service	
TD505	387	Routing	M AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment: **REF** Reference Identification
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If Common Carrier REF02 in the REF*BM must contain the Bill of Lading number. If Private Parcel Service (UPS/FedEx/etc) REF02 in the REF*BM must contain the Carrier Tracking Number.	M AN 1/30

Segment: **DTM** Date/Time Reference
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		011 Shipped	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	
		DTM02 must contain the shipped date in the format YYYYMMDD.	

Segment: **FOB** F.O.B. Related Instructions
Position: 210
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
FOB01	146	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC Collect	
		PP Prepaid (by Seller)	

Segment: **N1** Name
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: If the N103 & N104 are passed on the 850, then the N103 and N104 are MANDATORY.

The Ship To N1 segment must match the Ship To N1 segment sent on the 850.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
N102	93	Name Free-form name	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
N104	67	Identification Code Code identifying a party or other code	C AN 2/80

Segment: **N3** Address Information
Position: 240
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Notes: The Ship To N3 segment must match the Ship To N3 segment sent on the 850.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information	Address information	M AN 1/55
N302	166	Address Information	Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 250
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: The Ship To N4 segment must match the Ship To N4 segment sent on the 850.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	Free-form text for city name	M AN 2/30
N402	156	State or Province Code	Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
N403	116	Postal Code	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
N404	26	Country Code	Code identifying the country	O ID 2/3

Segment: **N1** Name
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		SF Ship From	
N102	93	Name Free-form name	M AN 1/60
N102 must contain the name of the Ship From location.			

Segment: **N3** Address Information
Position: 240
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
		N301 must contain the Ship From address.	
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 250
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name N401 must contain the Ship From city.	M AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency N402 must contain the Ship From State or Province code.	M ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) N403 must contain the Ship From postal code.	M ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O Order	M ID 1/2

Segment: **PRF** Purchase Order Reference
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number	M AN 1/22
Identifying number for Purchase Order assigned by the orderer/purchaser			
PRF01 must contain the PO number being shipped.			

Segment: **REF** Reference Identification
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier REF02 MUST match the REF02 sent in the 850.	M AN 1/30

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628		Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735		Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		1	Item	

Segment: **LIN** Item Identification
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LIN01	350	Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		LIN01 must match the PO101 sent in the 850.	
LIN02	235	Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SK Stock Keeping Unit (SKU)	
LIN03	234	Product/Service ID	M AN 1/48
		Identifying number for a product or service	
		LIN03 must match the SKU sent in the 850.	
LIN04	235	Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VN Vendor's (Seller's) Item Number	
LIN05	234	Product/Service ID	M AN 1/48
		Identifying number for a product or service	
LIN06	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
LIN07	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service	

Segment: **SN1** Item Detail (Shipment)
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>SN102</u>	<u>382</u>	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set SN102 must contain the quantity of the item on the shipment.	M R 1/10
<u>SN103</u>	<u>355</u>	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		P Pack	

Segment: **MAN** Marks and Numbers
Position: 190
Loop: HL Mandatory
Level: Detail
Usage: Conditional
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers
Notes: The MAN segments should equal the quantity for that item. For example, if the SN102 = 5, then there should be 5 MAN segments for that item.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MAN01	88		Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			GM SSCC-18 and Application Identifier	
MAN02	87		Marks and Numbers	M AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
			MAN02 must contain the unique SSCC-18 barcode for that item.	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

810 Invoice

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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
M	050	REF	Reference Identification	M	1		
M	050	REF	Reference Identification	M	1		
LOOP ID - N1						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
M	140	DTM	Date/Time Reference	M	10		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
LOOP ID - SAC						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
M	070	CTT	Transaction Totals	M	1		nl
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 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.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
ST02	329	Transaction Set Control Number 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

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BIG01	373	Date Date expressed as CCYYMMDD	M DT 8/8
BIG02	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
BIG03	373	Date Date expressed as CCYYMMDD	M DT 8/8
BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier REF02 must match the REF02 sent in the REF*IA in the 850.	M AN 1/30

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Bill of lading number on the invoice MUST match the bill of lading number on the ASN.	M AN 1/30

Segment: **N1** Name
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: If the N103 and N104 exist on the 850, then the N103 and N104 are mandatory and must match.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
N102	93	Name Free-form name	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **N3** Address Information
Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 100
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	M AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **N1** Name
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		RI Remit To	
N102	93	Name Free-form name	M AN 1/60

Segment: **N3** Address Information
Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 100
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	M AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Notes: If the ITD03 exists, then the ITD04, ITD05, and ITD08 are mandatory.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code Code identifying type of payment terms 01 Basic	M ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 3 Invoice Date	M ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD	C DT 8/8
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	C N0 1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount	C N2 1/10
ITD12	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped	M ID 3/3
DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set IT101 MUST match the PO101 in the 850.	M AN 1/20
IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	M R 1/10
IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
IT104	212	Unit Price Price per unit of product, service, commodity, etc.	M R 1/17
IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	M ID 2/2
IT107	234	Product/Service ID Identifying number for a product or service	M AN 1/48
IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	M ID 2/2
IT109	234	Product/Service ID Identifying number for a product or service	M AN 1/48
IT110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	O ID 2/2
IT111	234	Product/Service ID Identifying number for a product or service	O AN 1/48

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

Data Element Summary

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

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Amount</u>	
TDS01	610	Amount	M N2 1/15

Monetary amount

TDS01 is an implied decimal field. The last 2 digits will be recognized as decimals.

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge	M ID 1/1
SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	M ID 4/4
SAC05	610	Amount Monetary amount	M N2 1/15
SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated Z Mutually Defined	O ID 1/1
SAC07	332	Percent Percent expressed as a percent	O R 1/6
SAC15	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

832 Price/Sales Catalog

Functional Group ID=**SC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) 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 furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
	070	DTM	Date/Time Reference	O	10		
	090	CUR	Currency	O	5		
			LOOP ID - N1			>1	
	150	N1	Name	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			>1	
	010	LIN	Item Identification	O	1		
	030	DTM	Date/Time Reference	O	10		
	040	REF	Reference Identification	O	>1		
	060	CTB	Restrictions/Conditions	O	25		
	070	PID	Product/Item Description	O	200		
	110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
	140	LDT	Lead Time	O	1		
	165	TC2	Commodity	O	2		
	168	G55	Item Characteristics - Consumer Unit	O	1		
			LOOP ID - CTP			100	
	170	CTP	Pricing Information	O	1		
			LOOP ID - N1			>1	
	230	N1	Name	O	1		
			LOOP ID - SLN			>1	
	350	SLN	Subline Item Detail	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	CTT	Transaction Totals	M	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		832 Price/Sales Catalog	
ST02	329	Transaction Set Control Number 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

Segment: **BCT** Beginning Segment for Price/Sales Catalog
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BCT01	683	Catalog Purpose Code Code indicating purpose of catalog SC Sales Catalog	M ID 2/2
BCT02	684	Catalog Number Identifying number for catalog or superseded catalog	O AN 1/15
BCT03	685	Catalog Version Number Identifying version number of catalog or superseded catalog	O AN 1/15
BCT09	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
BCT10	353	Transaction Set Purpose Code Code identifying purpose of transaction set 01 Cancellation 02 Add 03 Delete 04 Change 05 Replace	O ID 2/2

Segment: **DTM** Date/Time Reference
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		018 Available	
		036 Expiration	
		Date coverage expires	
		043 Publication	
		092 Contract Effective	
		177 Cancellation	
		Date on which the coverage or service is no longer in force	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **CUR** Currency
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	M ID 2/3
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

Segment: **N1** Name
Position: 150
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual CT Country of Origin SF Ship From VN Vendor	M ID 2/3
N102	93	Name Free-form name	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 38 Country Code 91 Assigned by Seller or Seller's Agent	X ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VC Vendor's (Seller's) Catalog Number VN Vendor's (Seller's) Item Number	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN European Article Number (EAN) (2-5-5-1) UP U.P.C. Consumer Package Code (1-5-5-1)	O ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service	C AN 1/48
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CM National Retail Merchants Association Color Code	O ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service	C AN 1/48
LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SM National Retail Merchants Association Size Code	X ID 2/2
LIN09	234	Product/Service ID Identifying number for a product or service	C AN 1/48
LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BL Brand/Label SM National Retail Merchants Association Size Code	X ID 2/2
LIN11	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: **DTM** Date/Time Reference
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		018 Available	
		036 Expiration	
		Date coverage expires	
		043 Publication	
		092 Contract Effective	
		177 Cancellation	
		Date on which the coverage or service is no longer in force	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SE Serial Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **CTB** Restrictions/Conditions
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Qualifier</u>	
CTB01	688	Restrictions/Conditions Code identifying the type of restriction/condition OR Ordering	M ID 2/2
CTB03	673	Quantity Qualifier Code specifying the type of quantity 57 Minimum Order Quantity 70 Maximum Order Quantity	M ID 2/2
CTB04	380	Quantity Numeric value of quantity	M R 1/15

Segment: **PID** Product/Item Description
Position: 070
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PID01	349	Item Description Type Code indicating the format of a description F Free-form S Structured (From Industry Code List)	M ID 1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic 08 Product 73 Vendor color description 74 Vendor size description 92 Fabric Description TRN Trade Name WD Warranty Description The warranty description for the final consumer, which the retailer needs to keep on file, in case the consumer has a claim against the warranty	O ID 2/3
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values VI Voluntary Inter-Industry Commerce Standard (VICS) EDI	O ID 2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	C AN 1/12
PID05	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 110
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) D Hazardous Materials ID, DOT	O ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	C AN 1/4
TD404	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **LDT** Lead Time
Position: 140
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LDT01	345	Lead Time Code	M ID 2/2
		Code indicating the time range	
		AE From date of PO receipt to shipment	
LDT02	380	Quantity	M R 1/15
		Numeric value of quantity	
LDT03	344	Unit of Time Period or Interval	M ID 2/2
		Code indicating the time period or interval	
		DA Calendar Days	
		DW Work Days	

Segment: **TC2** Commodity
Position: 165
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To identify a commodity or a group of commodities or a tariff page commodity

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TC201	23	Commodity Code Qualifier	M ID 1/1
		Code identifying the commodity coding system used for Commodity Code	
		J Harmonized System-Based Schedule B Classification of exported merchandise	
		N National Motor Freight Classification (NMFC)	
		Q Quota Category	
TC202	22	Commodity Code	M AN 1/30
		Code describing a commodity or group of commodities	

Segment: **G55** Item Characteristics - Consumer Unit
Position: 168
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide physical characteristics relative to a consumer unit

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
G5501	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN European Article Number (EAN) (2-5-5-1) UP U.P.C. Consumer Package Code (1-5-5-1)	M ID 2/2
G5502	234	Product/Service ID Identifying number for a product or service	M AN 1/48
G5505	65	Height Vertical dimension of an object measured when the object is in the upright position	O R 1/8
G5506	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken FT Foot IN Inch MM Millimeter MR Meter YD Yard	X ID 2/2
G5507	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O R 1/8
G5508	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken FT Foot IN Inch MM Millimeter MR Meter YD Yard	C ID 2/2
G5509	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	O R 1/8
G5510	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken FT Foot IN Inch MM Millimeter MR Meter YD Yard	C ID 2/2
G5511	183	Volume Value of volumetric measure	X R 1/8

G5512	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		
		CC Cubic Centimeter		
		CF Cubic Feet		
		CI Cubic Inches		
		CR Cubic Meter		
		CY Cubic Yard		
		GA Gallon		
		LT Liter		
		ML Milliliter		
		PT Pint		
		QT Quart		
G5514	357	Size	O	R 1/8
		Size of supplier units in pack		
G5515	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		
G5523	395	Unit Weight	O	R 1/8
		Numeric value of weight per unit		
G5524	187	Weight Qualifier	C	ID 1/2
		Code defining the type of weight		
		G Gross Weight		
G5525	188	Weight Unit Code	C	ID 1/1
		Code specifying the weight unit		
		L Pounds		
		O Ounces		

Segment: **CTP** Pricing Information
Position: 170
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
CTP02	236	Price Identifier Code	O ID 3/3
		Code identifying pricing specification	
		CAT Catalog Price	
		MSR Manufacturer's Suggested Retail	
		UCP Unit cost price	
CTP03	212	Unit Price	O R 1/17
		Price per unit of product, service, commodity, etc.	

Segment: **N1** Name
Position: 230
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		CT Country of Origin	
N102	93	Name Free-form name	O AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		38 Country Code	
N104	67	Identification Code Code identifying a party or other code	C AN 2/80

Segment: **SLN** Subline Item Detail
Position: 350
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/20
SLN03	662	Relationship Code Code indicating the relationship between entities D Delete I Included	M ID 1/1
SLN04	380	Quantity Numeric value of quantity	O R 1/15
SLN05	C001	Composite Unit of Measure To identify a composite unit of measure	M
C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN European Article Number (EAN) (2-5-5-1) UP U.P.C. Consumer Package Code (1-5-5-1)	M ID 2/2
SLN10	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

846 Inventory Inquiry/Advice

Functional Group ID=**IB**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
M	080	N1	Name	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			10000	
M	010	LIN	Item Identification	M	1		
M	320	QTY	Quantity	M	1		
M	100	DTM	Date/Time Reference	M	10		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	CTT	Transaction Totals	M	1		nl
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		846 Inventory Inquiry/Advice	
ST02	329	Transaction Set Control Number 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

Segment: **BIA** Beginning Segment for Inventory Inquiry/Advice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BIA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
BIA02	755	Report Type Code Code indicating the title or contents of a document, report or supporting item SI Seller Inventory Report	M ID 2/2
BIA03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
BIA04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **REF** Reference Identification
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AEM Distribution Center Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** Name
Position: 080
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SU Supplier/Manufacturer	M ID 2/3
N102	93	Name Free-form name	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
N104	67	Identification Code Code identifying a party or other code The N104 MUST contain your retailer assigned vendor code.	M AN 2/80

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Notes: For every LIN segment, there must be an associated QTY and DTM segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	M ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service	M AN 1/48
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	X ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service	X AN 1/48
LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BL Brand/Label	X ID 2/2
LIN09	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: **QTY** Quantity
Position: 320
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify quantity information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
QTY01	673	Quantity Qualifier Code specifying the type of quantity 17 Quantity on Hand 27 Committed Quantity	M ID 2/2
QTY02	380	Quantity Numeric value of quantity	M R 1/15

Segment: **DTM** Date/Time Reference

Position: 100

Loop: LIN Mandatory

Level: Detail

Usage: Mandatory

Max Use: 10

Purpose: To specify pertinent dates and times

Notes: If the QTY02 > _0_ for an item, then send the current date in the DTM02.

If the QTY02 = _0_ for an item, then send the next available date in the DTM02.

If an item is discontinued, then send "20491231" in the DTM02.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		169 Product Availability Date	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

869 Order Status Inquiry

Functional Group ID=**RS**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Inquiry Transaction Set (869) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to request all pertinent information relative to an entire purchase order, selected line items on a purchase order, or selected products/services on a purchase order. Inquiry can also be made for all or a selected portion of the customer's ordered items, all or a selected portion of the customer's unshipped items, or all or a selected portion of the customer's shipped items.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BSI	Beginning Segment for Order Status Inquiry	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - HL							>1
M	010	HL	Hierarchical Level	M	1		
M	020	PRF	Purchase Order Reference	M	1		
M	105	REF	Reference Identification	M	1		
LOOP ID - HL							>1
M	010	HL	Hierarchical Level	M	1		
M	050	LIN	Item Identification	M	>1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	CTT	Transaction Totals	M	1		nl
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. CTT01 is the number of HL segments.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	Attributes
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		869 Order Status Inquiry	
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: **BSI** Beginning Segment for Order Status Inquiry
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an order status inquiry and provide the type of customer status inquiry

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
BSI01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier BS101 will contain the Purchase Order Number.	M AN 1/30
BSI02	373	Date Date expressed as CCYYMMDD BS102 will contain the Date the 869 is sent.	M DT 8/8
BSI03	847	Order/Item Code Code identifying a group of orders and items PA Selected Orders - All Items	M ID 1/2

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628		Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735		Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
			O Order	

Segment: **PRF** Purchase Order Reference
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
PRF04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **REF** Reference Identification
Position: 105
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier REF02 will contain your Assigned Vendor Code.	M AN 1/30

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628		Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735		Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		1	Item	

Segment: **LIN** Item Identification
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify basic item identification data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
LIN02	235	Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VN Vendor's (Seller's) Item Number	
LIN03	234	Product/Service ID	M AN 1/48
		Identifying number for a product or service	
LIN04	235	Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SK Stock Keeping Unit (SKU)	
LIN05	234	Product/Service ID	M AN 1/48
		Identifying number for a product or service	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

870 Order Status Report

Functional Group ID=**RS**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BSR	Beginning Segment for Order Status Report	M	1		
M	046	REF	Reference Identification	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL			1000	
M	010	HL	Hierarchical Level	M	1		
M	020	PRF	Purchase Order Reference	M	1		
			LOOP ID - HL			1000	
M	010	HL	Hierarchical Level	M	1		
			LOOP ID - PO1			1000	
M	150	PO1	Baseline Item Data	M	1		
			LOOP ID - ISR			104	
M	210	ISR	Item Status Report	M	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	CTT	Transaction Totals	M	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		870 Order Status Report	
ST02	329	Transaction Set Control Number 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

Segment: **BSR** Beginning Segment for Order Status Report
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an Order Status Report Transaction Set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BSR01	850	Status Report Code Code indicating the reason for sending the report 1 Response to an Order Status Inquiry (869)	M ID 1/2
BSR02	847	Order/Item Code Code identifying a group of orders and items PA Selected Orders - All Items	M ID 1/2
BSR03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier BSR03 you must assign a unique number to identify each 870. This number must not be repeated in subsequent 870's. Do not send the PO number in this field.	M AN 1/30
BSR04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **REF** Reference Identification
Position: 046
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O Order	M ID 1/2

Segment: **PRF** Purchase Order Reference
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
PRF04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628		Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL03	735		Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		1	Item	

Segment: **PO1** **Baseline Item Data**
Position: 150
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/20
PO102	330	Quantity Ordered Quantity ordered	M R 1/15
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	M R 1/17
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	M ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	M AN 1/48
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	M ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	M AN 1/48

Segment: **ISR** Item Status Report
Position: 210
Loop: ISR Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify detailed purchase order/item status
Notes: ISR02 is mandatory if the ISR01 is "CC", "ED", "BO", or "DS"

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ISR01	368	Shipment/Order Status Code	M ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
		CC Shipment Complete on (Date)	
		DS Out Of Stock Condition	
		ED Expect to Ship By (Date)	
		IC Item Canceled	
		BO Back Ordered	
ISR02	373	Date	C DT 8/8
		Date expressed as CCYYMMDD	
ISR03	641	Status Reason Code	M ID 3/3
		Code indicating the status reason	
		D50 Delayed	
		NOR Normal	
		W01 Out of Stock	
		W08 Material Shortage	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

864 Text Message

Functional Group ID=**TX**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data content of the Text Message Transaction Set (864) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide users with a capability to electronically move messages, contracts, explanations, and other one-time communications. It is the intent of this transaction set to provide electronic communication (messages) for people, not for computer processing. The use of the transaction set to transmit quasi or unique transaction set standards is discouraged. The use of the Text Message transaction set demands of the sender certain detailed information about the recipient. The transaction set's purpose is to provide communication to the recipient in some human-readable form. The recipient's network will dictate what capabilities are available for delivery of the information. It is the responsibility of the sender to obtain this information and include it in the transmission.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BMG	Beginning Segment For Text Message	M	1		
M	030	DTM	Date/Time Reference	M	10		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - MIT			>1	
M	010	MIT	Message Identification	M	1		
M	080	MSG	Message Text	M	100000		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	Attributes
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		864 Text Message	
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: **BMG** Beginning Segment For Text Message
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Text Message Transaction Set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BMG01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		44 Rejection	
BMG02	352	Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		The BMG02 must be used to describe the rejection notice. An example description for a rejected 855 would be _PO Acknowledgement Rejection Notice_.	

Segment: **DTM** Date/Time Reference
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		621 Reported	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	
		The DTM02 must be the date the rejection notice is being sent.	

Segment: **MIT** Message Identification
Position: 010
Loop: MIT Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify the beginning of a specific message and to allow the identification of a subject for the message

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
MIT01	127	Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		The MIT01 is the original document number.	
MIT02	352	Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		The MIT02 describes the document type.	

Segment: **MSG** Message Text
Position: 080
Loop: MIT Mandatory
Level: Detail
Usage: Mandatory
Max Use: 100000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
The MSG01 is the error message.			

Segment: **SE** Transaction Set Trailer
Position: 010
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329 Transaction Set Control Number 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

997 Functional Acknowledgment

Functional Group ID=**FA**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		n1
M	020	AK1	Functional Group Response Header	M	1		n2
						999999	
M	030	AK2	Transaction Set Response Header	M	1		n3
M	060	AK5	Transaction Set Response Trailer	M	1		
M	070	AK9	Functional Group Response Trailer	M	1		
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.
There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
- AK1 is used to respond to the functional group header and to start the acknowledgement for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
- AK2 is used to start the acknowledgement of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 997 Functional Acknowledgment	M ID 3/3
ST02	329	Transaction Set Control Number 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

Segment: **AK1** Functional Group Response Header
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgment of a functional group

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Functional Identifier Code</u>	<u>M ID 2/2</u>
AK101	479	Code identifying a group of application related transaction sets	
		AA Account Analysis (822)	
		AB Logistics Service Request (219)	
		AD Individual Life, Annuity and Disability Application (267)	
		AF Application for Admission to Educational Institutions (189)	
		AG Application Advice (824)	
		AH Logistics Service Response (220)	
		AI Automotive Inspection Detail (928)	
		AK Student Educational Record (Transcript) Acknowledgment (131)	
		AL Set Cancellation (998) and Application Acceptance/Rejection Advice (499)	
		AN Return Merchandise Authorization and Notification (180)	
		AO Income or Asset Offset (521)	
		AR Warehouse Stock Transfer Shipment Advice (943)	
		AS Transportation Appointment Schedule Information (163)	
		AT Animal Toxicological Data (249)	
		AW Warehouse Inventory Adjustment Advice (947)	
		BC Business Credit Report (155)	
		BE Benefit Enrollment and Maintenance (834)	
		BF Business Entity Filings (105)	
		BL Motor Carrier Bill of Lading (211)	
		BS Shipment and Billing Notice (857)	
		CA Purchase Order Change Acknowledgment/Request - Seller Initiated (865)	
		CB Unemployment Insurance Tax Claim or Charge Information (153)	
		CC Clauses and Provisions (504)	
		CD Credit/Debit Adjustment (812)	
		CE Cartage Work Assignment (222)	
		CF Corporate Financial Adjustment Information (844 and 849)	
		CG Administrative Message (994)	
		CH Car Handling Information (420)	
		CI Consolidated Service Invoice/Statement (811)	
		CJ Manufacturer Coupon Family Code Structure (877)	
		CK Manufacturer Coupon Redemption Detail (881)	
		CM Component Parts Content (871)	

CN	Coupon Notification (887)
CO	Cooperative Advertising Agreements (290)
CP	Electronic Proposal Information (251, 805)
CR	Rail Carhire Settlements (414)
CS	Cryptographic Service Message (815)
CT	Application Control Totals (831)
CV	Commercial Vehicle Safety and Credentials Information Exchange (285)
D3	Contract Completion Status (567) Transaction set for reporting the administrative closure status of physically completed contracts
D4	Contract Abstract (561)
D5	Contract Payment Management Report (568)
DA	Debit Authorization (828)
DD	Shipment Delivery Discrepancy Information (854)
DF	Market Development Fund Allocation (883)
DI	Dealer Information (128)
DM	Shipper's Car Order (422)
DS	Data Status Tracking (242)
DX	Direct Exchange Delivery and Return Information (894, 895)
EC	Educational Course Inventory (188)
ED	Student Educational Record (Transcript) (130)
EI	Railroad Equipment Inquiry or Advice (456)
ER	Revenue Receipts Statement (170)
ES	Notice of Employment Status (540)
EV	Railroad Event Report (451)
EX	Excavation Communication (620)
FA	Functional Acknowledgment (997)
FB	Freight Invoice (859)
FC	Court and Law Enforcement Information (175, 176)
FG	Motor Carrier Loading and Route Guide (217)
FH	Motor Carrier Tariff Information (218)
FR	Financial Reporting (821, 827)
FT	File Transfer (996)
GB	Average Agreement Demurrage (423)
GC	Damage Claim Transaction Sets (920, 924, 925, 926)
GE	General Request, Response or Confirmation (814)
GF	Response to a Load Tender (990)
GL	Intermodal Group Loading Plan (715)
GP	Grocery Products Invoice (880)
GR	Statistical Government Information (152)
GT	Grant or Assistance Application (194)
HB	Eligibility, Coverage or Benefit Information (271)
HC	Health Care Claim (837)
HI	Health Care Services Review Information (278)
HN	Health Care Claim Status Notification (277)
HP	Health Care Claim Payment/Advice (835)
HR	Health Care Claim Status Request (276)
HS	Eligibility, Coverage or Benefit Inquiry (270)
IA	Air Freight Details and Invoice (110, 980)

IB	Inventory Inquiry/Advice (846)
IC	Rail Advance Interchange Consist (418)
ID	Insurance/Annuity Application Status (273)
IE	Insurance Producer Administration (252)
IG	Direct Store Delivery Summary Information (882)
II	Rail Freight Details and Invoice Summary (411)
IJ	Report of Injury, Illness or Incident (148)
IM	Motor Carrier Freight Details and Invoice (210, 980)
IN	Invoice Information (810,819)
IO	Ocean Shipment Billing Details (310, 312, 980)
IP	Intermodal Ramp Activity (622)
IR	Rail Carrier Freight Details and Invoice (410, 980)
IS	Estimated Time of Arrival and Car Scheduling (421)
KM	Commercial Vehicle Credentials (286)
LA	Federal Communications Commission (FCC) License Application (195)
LB	Lockbox (823)
LI	Locomotive Information (436)
LN	Property and Casualty Loss Notification (272)
LR	Logistics Reassignment (536)
LS	Asset Schedule (851)
LT	Student Loan Transfer and Status Verification (144)
MA	Motor Carrier Summary Freight Bill Manifest (224)
MC	Request for Motor Carrier Rate Proposal (107)
MD	Department of Defense Inventory Management (527) Transactions related to the interchange of information involving material in the supply, control, and distribution systems and financial management of the Department of Defense or other participating agencies
ME	Mortgage Origination (198, 200, 201, 261, 262, 263, 833, 872)
MF	Market Development Funds Settlement (884)
MG	Mortgage Servicing Transaction Sets (203, 206, 260, 264, 266)
MH	Motor Carrier Rate Proposal (106)
MI	Motor Carrier Shipment Status Inquiry (213)
MJ	Secondary Mortgage Market Loan Delivery (202)
MK	Response to a Motor Carrier Rate Proposal (108)
MM	Medical Event Reporting (500)
MN	Mortgage Note (205)
MO	Maintenance Service Order (650)
MP	Motion Picture Booking Confirmation (159)
MQ	Consolidators Freight Bill and Invoice (223)
MR	Multilevel Railcar Load Details (125)
MS	Material Safety Data Sheet (848)
MT	Electronic Form Structure (868)
MV	Material Obligation Validation (517)
MW	Rail Waybill Response (427)
MX	Material Claim (847)
MY	Response to a Cartage Work Assignment (225)
NC	Nonconformance Report (842)

NL	Name and Address Lists (101)
NP	Notice of Power of Attorney (157)
NT	Notice of Tax Adjustment or Assessment (149)
OC	Cargo Insurance Advice of Shipment (362)
OG	Order Group - Grocery (875, 876)
OR	Organizational Relationships (816)
OW	Warehouse Shipping Order (940)
PA	Price Authorization Acknowledgment/Status (845)
PB	Railroad Parameter Trace Registration (455)
PC	Purchase Order Change Request - Buyer Initiated (860)
PD	Product Activity Data (852)
PE	Periodic Compensation (256)
PF	Annuity Activity (268)
PG	Insurance Plan Description (100)
PH	Pricing History (503)
PI	Patient Information (275)
PJ	Project Schedule Reporting (806)
PK	Project Cost Reporting (839) and Contractor Cost Data Reporting (196)
PL	Railroad Problem Log Inquiry or Advice (452)
PN	Product Source Information (244)
PO	Purchase Order (850)
PQ	Property Damage Report (112)
PR	Purchase Order Acknowledgement (855)
PS	Planning Schedule with Release Capability (830)
PT	Product Transfer and Resale Report (867)
PU	Motor Carrier Shipment Pick-up Notification (216)
PV	Purchase Order Shipment Management Document (250)
PY	Payment Cancellation Request (829)
QG	Product Information (878, 879, 888, 889, 893, 896)
QM	Transportation Carrier Shipment Status Message (214)
QO	Ocean Shipment Status Information (313, 315)
RA	Payment Order/Remittance Advice (820)
RB	Railroad Clearance (470)
RC	Receiving Advice/Acceptance Certificate (861)
RD	Royalty Regulatory Report (185)
RE	Warehouse Stock Receipt Advice (944)
RH	Railroad Reciprocal Switch File (433)
RI	Routing and Carrier Instruction (853)
RJ	Railroad Mark Register Update Activity (434)
RK	Standard Transportation Commodity Code Master (435)
RL	Rail Industrial Switch List (423)
RM	Railroad Station Master File (431)
RN	Requisition Transaction (511) Transaction set for ordering equipment and material. Can also be used to inquire about, amend, or terminate the original order
RO	Ocean Booking Information (300, 301, 303)
RP	Commission Sales Report (818)

RQ	Request for Quotation (840) and Procurement Notices (836)
RR	Response to Request For Quotation (843)
RS	Order Status Information (869, 870)
RT	Report of Test Results (863)
RU	Railroad Retirement Activity (429)
RV	Railroad Junctions and Interchanges Activity (437)
RW	Rail Revenue Waybill (426)
RX	Rail Deprescription (432)
RY	Request for Student Educational Record (Transcript) (146)
RZ	Response to Request for Student Educational Record (Transcript) (147)
SA	Air Shipment Information (104)
SB	Switch Rails (424)
SC	Price/Sales Catalog (832)
SD	Student Loan Pre-Claims and Claims (191)
SE	Shipper's Export Declaration (601)
SG	SG Receiving Advice - Grocery (885)
SH	Ship Notice/Manifest (856)
SI	Shipment Information (858)
SJ	Transportation Automatic Equipment Identification (160)
SL	Student Loan Application and Guarantee (135, 139)
SM	Motor Carrier Load Tender (204)
SN	Rail Route File Maintenance (475)
SO	
SP	Specifications/Technical Information (841)
SQ	Production Sequence (866)
SR	Rail Carrier Shipment Information (404, 419)
SS	Shipping Schedule (862)
ST	Railroad Service Commitment Advice (453)
SU	Account Assignment/Inquiry and Service/Status (248)
SV	Student Enrollment Verification (190)
SW	Warehouse Shipping Advice (945)
TA	Electronic Filing of Tax Return Data Acknowledgment (151)
TC	Court Submission (176)
TD	Trading Partner Profile (838)
TF	Electronic Filing of Tax Return Data (813)
TI	Tax Information Exchange (826)
TM	Motor Carrier Delivery Trailer Manifest (212)
TN	Tax Rate Notification (150)
TO	Real Estate Title Services (197, 199, 265)
TP	Rail Rate Transactions (460, 463, 466, 468, 485, 486, 490, 492, 494)
TR	Train Sheet (161)
TS	Transportation Services Tender (602)
TT	Testing Results Request and Report (138)
TX	Text Message (864)
UA	Retail Account Characteristics (885)
UB	Customer Call Reporting (886)

UC	Uniform Commercial Code Filing (154)
UD	Deduction Research Report (891)
UI	Underwriting Information Services (255)
UP	Motor Carrier Pick-up Manifest (215)
UW	Insurance Underwriting Requirements Reporting (186)
VA	Vehicle Application Advice (126)
VB	Vehicle Baying Order (127)
VC	Vehicle Shipping Order (120)
VD	Vehicle Damage (124)
VE	Vessel Content Details (109)
VH	Vehicle Carrier Rate Update (129)
VI	Voter Registration Information (280)
VS	Vehicle Service (121)
WA	Product Service Transaction Sets (140, 141, 142, 143)
WB	Rail Carrier Waybill Interchange (417)
WG	Vendor Performance Review (501)
WI	Wage Determination (288)
WL	Well Information (625)
WR	Shipment Weights (440)
WT	Rail Waybill Request (425)

AK102

28

Group Control Number

M N0 1/9

Assigned number originated and maintained by the sender

Segment: **AK2** Transaction Set Response Header
Position: 030
Loop: AK2 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgment of a single transaction set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
AK201	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
AK202	329	Transaction Set Control Number 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

Segment: **AK5** Transaction Set Response Trailer
Position: 060
Loop: AK2 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
AK501	717	Transaction Set Acknowledgment Code	M ID 1/1
		Code indicating accept or reject condition based on the syntax editing of the transaction set	
		A Accepted	
		E Accepted But Errors Were Noted	
		R Rejected	

Segment: **AK9** Functional Group Response Trailer
Position: 070
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AK901	715	Functional Group Acknowledge Code Code indicating accept or reject condition based on the syntax editing of the functional group A Accepted E Accepted, But Errors Were Noted. R Rejected	M ID 1/1
AK902	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M N0 1/6
AK903	123	Number of Received Transaction Sets Number of Transaction Sets received	M N0 1/6
AK904	2	Number of Accepted Transaction Sets Number of accepted Transaction Sets in a Functional Group	M N0 1/6

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level:
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)

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329	Transaction Set Control Number 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