EDI Implementation Guide

PROCUREMENT

March 10, 2008

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Contact List

Refer all questions regarding this Implementation Guide to:

Integration Center 33A-2Y
Access Business Group
7575 Fulton St. E.
Ada, MI 49301
Business Phone – 616.787.1648
E-mail – IntegrationCenter@accessbusinessgroup.com

Alticor is the parent company of Amway Corp., Access Business Group Inc., and Access Business Group LLC. It is based in Ada, Michigan, USA.

Revision Section

Date	Name	Description of Change
5.12.05	Integration Center	Document Originated
1.30.07	LH	Add sample data & info on N104 location code
4.17.07	LH	Addition of ACK Segment on the 855/865's
4.17.07	LH	824 Application Advice
7.03.07	LH	850/860 Purchase Order and Purchase Order Change - Addition of N1 (Ordered By) segment Hosted Solution only. 855/865 Acknowledgements - Instructions for REF segments (notes). Accepted qualifiers in DTM segments (dates) and line split instructions. 810 Invoice – Accepted qualifiers in SAC segment (misc. charges).
11.09.07	LH	Replaced 810 section. Replaced Trading Partner Setup page. Added B2B trading Partner Setup.
1.04.08	LH	860 Purchase Order Change – deleted header cancellation code
3/10/08	LH	Added new qualifier (EP) and item number to sections 850, 855, 860, and 865.

Introduction

Transmission of EDI

ANSI X12 documents have been used for decades to exchange business information. Though traditionally used with a VAN (Value Added Network), these can be exchanged directly over the internet as well, thus saving VAN charges. We accept transmissions through our VAN (GXS) or via an HTTP post with AS2 encryption.

Purpose of EDI Implementation Guide

The purpose of this document is to describe the communication and data specifications for posting EDI documents to relay purchase order status and acknowledgement data to and from Access Business Group. Its audience is the technical staff at the supplier site charged with implementing the relationship.

Benefits of EDI

EDI provides many benefits to support your business in achieving its objectives. Keep the following in mind as we begin to work together to implement EDI.

- EDI reduces paperwork (forms handling), data entry labor costs, postage costs, and printing costs.
- EDI drives out inefficiencies in the business process

Organizations choosing EDI should consider that the full benefits are only received when both parties fully integrate the EDI data into their application systems.

EDI Standards

ANSI ASC X12 Compliance

Access Business Group complies with the Accredited Standards Committee (ASC) X12. The Accredited Standards Committee is a membership based not-for-profit organization chartered in 1979 by the American National Standards Institute (ANSI) to develop uniform data standards and specifications for cross-industry electronic exchange of business transactions. ASC X12 provides a neutral environment and an appropriate structure to foster data standards development and implementation.

EDI Standards and Transaction Sets

The following ANSI ASC X12 Version 4010 transactions are required:
850 - Purchase Order
855 - Purchase Order Acknowledgment
860 - Purchase Order Change
865 - Purchase Order Change Acknowledgment
810 - Invoice
997 - Functional Acknowledgment
824 - Invoice Rejection Notification (via E-mail or EDI Document)

Purchase order and Purchase order Change and Acknowledgments

- The ANSI ASC X12 850 transaction set message requires the 855 to be returned within 3 days of issue of the original Purchase Order.
- The ANSI ASC X12 860 transaction set message requires the 865 to be returned within 3 days of issue of the Purchase Order Change.
- The ANSI ASC X12 997 transaction set message is required to be returned within 24 hours of the 850/860 being sent to the Trading Partner.

Functional Acknowledgments

The 997 Functional Acknowledgment is sent by Access Business Group to acknowledge receipt of documents sent by our trading partners. Access Business Group will acknowledge each document by the group (GS) and transaction set (ST) control numbers sent on the 850 or 860 documents. Acknowledgments are returned within 12 hours after the receipt of your 855, 865 or 810. If you do not receive an acknowledgment within that time frame, please contact the Integration Center (refer to page 3 for contact information) within 24 hours from your transmission date. If you receive a rejected or partial acknowledgment, you need to correct the error and resend only the transactions that were rejected.

It is your responsibility to ensure that your company's SPAM blocker will permit messages from Access Business Group and that your E-MAIL addresses are valid and current. Please provide an E-MAIL address for a common E-MAIL account rather than an individual person. This will assure that communication between our companies will not go unnoticed for long periods of time in case of an employee absence or termination.

EDI Integration Testing

Purpose

This section defines Access Business Group EDI test requirements for all inbound and outbound EDI transactions.

The purpose of the integration testing is to confirm that the trading partner can successfully:
1. Acknowledge and transmit EDI.

2. Translate between the ANSI ASC X12 format and native application files, i.e. confirm the application data is mapped correctly.

3. It is also important, though not part of the formal testing process, that the trading partner
   * confirm its internal business process is receiving the data it needs and
   * understand what data is being sent as well as interpret it.

Test and Production Environment Considerations (ANSI X12)

Overview
* Testing is required for each trading partner before they can be moved into a production environment.
* A step by step process is described to document the test procedure.

ANSI X12 Control Guidelines
ISA
* The ISA usage indicator (ISA15) during the test period will reflect "T".
* The ISA usage indicator (ISA15) for production must be revised to "P" when production readiness has been determined and scheduled by the Trading Partner and Integration Coordinator at Access Business Group.

GS Inbound to Access Business Group
* The Application Sender's Code (GS02) will reflect the Trading Partner's Test Interchange ID during the testing phase and changed if necessary for production.
* The Application Receiver's Code (GS03) will be set to '00602679398' during the testing phase and will be revised to "00602679322" for production (see chart below).

GS Outbound from Access Business Group
* The Application Sender's Code (GS02) will reflect "00602679398" during the testing phase and will be revised to "00602679322" for production (see chart below).
* The Application Sender's Code (GS03) will reflect the Trading Partner's Test Interchange ID during the testing phase and changed if necessary for production.

Segment Terminators/Element Separators/Sub-Element Separators – preferred
- Segment Terminator – "~" (tilde)
- Element Separator – "|" (bar)
- Sub-Element Separator – ">" (greater than sign)

The use of any other symbols should be coordinated with Access Business Group prior to testing.

VAN and Interchange ID

The VAN we use is GXS. Access Business Group's Qualifier and ID information is:

VAN Used	TEST Environment	PRODUCTION Environment
GXS	Qualifier: 14 U.S. Interchange ID: 00602679398	Qualifier: 14 U.S. Interchange ID: 00602679322

Integrated Functional Test Steps

Step I
- Access Business Group will send a test 850 Purchase Order via EDI to Trading Partner.

Step II
- Trading Partner verifies data received from Access Business Group by sending a test 855 Purchase Order Acknowledgment.
- Trading Partner corrects any deficiencies and repeats Step II if necessary.

Step III
- Access Business Group will send a test 860 Purchase Order Change via EDI to Trading Partner.

Step IV
- Trading Partner verifies data received from Access Business Group by sending a test 865 Purchase Order Change Acknowledgment.
- Trading Partner corrects any deficiencies and Step III will be repeated if necessary.

Step V
- Trading Partner will send 810 Invoice via EDI to Access Business Group.

Step VI
- Upon successful completion of the integrated functional test, the Trading Partner will be migrated to production where the same transaction process will be followed as above.

997 Functional Acknowledgements will be sent/received back and forth between Access Business Group and Trading Partner with each transmission along the way.

Communication

Transmission Methods

Access Business Group maintains a B2B Gateway open to Internet traffic which will handle
sending and receiving the EDI documents for Access Business Group's Suppliers. There are
currently three methods of transmission available to our trading partners: VAN, AS2/EDIINT,
or HTTP post.

VAN Communication:
Suppliers may opt to transmit EDI data to a VAN of their choice which will in turn send the data
to Access Business Group's VAN, GXS. Each party needs to ensure that the interconnect setup
for communication with the VAN is established. We will need to know which VAN you are
using.

AS2/EDIINT Communication:
If you opt to deliver EDI documents via EDIINT (AS/2), we will need to exchange certificates
and you will post to our EDIINT URL. Note that using EDIINT is via HTTP post. We will need
to know your static IP address to establish the firewall rules on our test and production servers.
We will also need to know your URL for posting EDIINT documents to you. An MDN message
will be returned as acknowledgement that we received your EDIINT document. We will expect
MDN message in return for the EDIINT documents sent to your server.

HTTP Communication:
You may opt to deliver EDI documents via HTTP post. We will need to exchange user id and
passwords and you will post to our EDI URL. We require that posts be made via SSL. We will
need to know your static IP address to establish the firewall rules on our test and production
servers. We will also need to know your URL for posting EDI documents to you.

HTTP Specifics:

Http headers need to be set with the following name/value pair:
Content-Type ='application/EDI' if sending EDI
A response will be returned on all posts which will confirm that a transmission has been
successfully received. Partners need to check the Http Response Status Code from our server. If
it is not 200, you must resend the document. If a successful response is not received, it will be
your responsibility to retransmit the document.

Transmission Notes

What mechanism you use to transmit the document to us is your choice. See the following page
for the B2B Partner SETUP document that will enable us to set up communications. It also
provides our information so you can set up your communications. We require an E-mail address
for our system to return errors to you. If we encounter problems with the format of the data, we
will send an E-mail to the specified E-mail address to inform you of the problem. EDI 997
documents will also be sent as validation.

Glossary of Terms

EDI: Electronic Data Interchange

HTTP: Hypertext Transfer Protocol, the Internet's Web page protocol.

HTTPS: The HTTP protocol layered over the Secure Socket Layer (SSL) protocol to allow secure data transfer using encrypted data streams.

SSL: Abbreviation for "Secure Sockets Layer". SSL is a transaction security standard that provides data encryption, server authentication, and message integrity.

DMZ: demilitarized zone is a computer host or small network inserted as a "neutral zone" between a company's private network and the outside public network. It prevents outside users from getting direct access to a server that has company data.

AS2: Applicability Statement 2 is a specification for Electronic Data Interchange (EDI) between businesses using the Internet's Web page protocol, the Hypertext Transfer Protocol (HTTP). Security, authentication, message integrity, and privacy are assured by the use of encryption and digital signatures. Another important feature, non-repudiation, makes it impossible for the intended recipient of a message to deny having received it.

B2B TRADING PARTNER QUESTIONNAIRE
ACCESS BUSINESS GROUP, LLC.

Please complete and return by fax or e-mail to ABG Integration Center
E-mail: IntegrationCenter@accessbusinessgroup.com or FAX: (616) 787-4437

Your Company Name

Address

City   State   Zip

EDI Technical Contact

Phone

E-mail

EDI Business Contact

Phone

E-mail

EDI TRANSMISSION INFORMATION

By what date can you test?   VAN:

Test Sender/Receiver ID: Qualifier:

Production Sender/Receiver ID: Qualifier:

Versions *(ABG uses version 4010):*   Standard: ☐ X12 ☐ UCS

Do you use a third party vendor for translation?   ☐ Yes ☐ No

Name of 3rd Party Vendor:

AS2 is our preferred method of communication. Do you have AS2 capabilities?   ☐ Yes ☐ No

Please check which documents your company currently supports/uses via Electronic Data Interchange (EDI):   ☐ 850 ☐ 855 ☐ 860 ☐ 865 ☐ 997 ☐ 810 ☐ 824

ABG ID Information:
TEST Sender/Receiver Qualifier/ID: 14/00602679398
PRODUCTION Sender/Receiver Qualifier ID: 14/00602679322
VAN: GXS

Access Business Group Integration Center
IntegrationCenter@accessbusinessgroup.com
Phone: (616) 787-1648
Fax: (616) 787- 4437

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Trading Partner Setup
For **AS2 HTTP Partners only:**

Please provide the following information about your company:

Company Name _____

Technical Contact Name _____

Technical Contact Phone _____

Technical Contact E-mail _____

Common E-mail Address: _____

(*This is used to receive automated error notifications. Ex: IntegrationCenter@accessbusinessgroup.com.*
Avoid using an individual's name if possible.)

☞ It is your responsibility to ensure that your company's SPAM blocker will permit messages from Access Business Group and that your E-mail addresses are valid and current.

Access Business Group information for sending EDI documents via AS2 HTTP:
(Does not apply when using a VAN)

Test Server
EDIINT URL: http://test.e-abg.com:4080/invoke/B2BUtil.inbound.EDIINT/receive
AS2 Test Name: 00602679398
IP Address **to** ABG: 167.23.249.122
IP Address **from** ABG: 167.23.240.24

Production Server
EDIINT URL: http://www.e-abg.com:4080/invoke/B2BUtil.inbound.EDIINT/receive
AS2 Production Name: 00602679322
IP Address **to** ABG: 167.23.249.54
IP Address **from** ABG: 167.23.240.24

Your company's AS2 information:

Test Server
EDIINT URL
AS2 Test Name _____
IP Address **to** ABG _____

Production Server
EDIINT URL
AS2 Production Name _____
IP Address **to** ABG _____

Test and production certificates will be available upon request.

850 Purchase Order

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.

Notes:

DIRECT PURCHASE ORDER - SAMPLE
ISA*00*   *00*   *14*00602679398 *01*TESTID   *031130*140
9*U*00401*000000383*0*P*@~
GS*PO*00602679398*TESTID*20031130*1409*383*X*004010~
ST*850*012141148~
BEG*00*NE*1033OS**20031201~
REF*ZZ**NOTE - MATERIAL SHOULD NOT BE INVOICED UNTIL PRICING.~
REF*ZZ**IS ACKNOWLEDGED VIA EDI FOR GOODS/SERVICES ORDERED.~
REF*ZZ**PRICING WILL BE ACCEPTED VIA EDI, FAX OR PHONE.~
PER*BD*Timothy D. Modert~
PER*OC*Tom Glendenning*EM*tom.glendenning@accessbusinessgroup.com~
TAX*38-1736584*SP*MI~
FOB*PC~
ITD*01*3*****10*****Net 10~
N1*VN*TEST VENDOR~
N1*BT*Access Business Group LLC~
N3*PO Box 494~
N4*Ada*MI*493010494~
PO1*1*100*EA*0.3*CT*BP*VPQ1008B*VN*TESTVENDORITEM~
PID*F****SESQUI (1500# SUPERSACKS)~
PID*F****MECHANICALLY CONVEYED MATERIAL ONLY~
REF*ZZ** Resale~
DTM*074*20031205~
DTM*075*20031205~
DTM*018*20031201~
DTM*710*20031109~
TD5*O****EXPEDITORS INT'L~
N1*ST*POWDERS DEPARTMENT*FA*00602679381130~
N3*C/O ACCESS BUSINESS GROUP LLC*7575 Fulton Street East~
N4*Ada*MI*49355*US~
N1*SF*ANYNAME COMPANY~
N3*49 BIRCH STREET~
N4*ANYCITY*NJ*04448~
PER*DC*Sharon Dean~
CTT*2~
SE*43*012141148~
GE*1*383~
IEA*1*000000383~

INDIRECT PURCHASE ORDER - SAMPLE
ISA*00*   *00*   *14*00602679398 *01*TESTID   *031130*140
9*U*00401*000000383*0*P*@~
GS*PO*00602679398*TESTID*20031130*1409*383*X*004010~

```
ST*850*012141148~
BEG*00*NE*1033OS**20031201~
REF*ZZ**NOTE - MATERIAL SHOULD NOT BE INVOICED UNTIL PRICING.~
REF*ZZ**IS ACKNOWLEDGED VIA EDI FOR GOODS/SERVICES ORDERED.~
REF*ZZ**PRICING WILL BE ACCEPTED VIA EDI, FAX OR PHONE.~
PER*BD*Timothy D. Modert~
TAX*38-1736584*SP*MI~
FOB*PC~
ITD*01*3*****10*****Net 10~
TD5*O****EXPEDITORS INT'L~
N1*VN*TEST VENDOR~
N1*BT*Access Business Group LLC~
N3*PO Box 494~
N4*Ada*MI*493010494~
N1*ST* ACCESS BUSINESS GROUP LLC*FA*00602679381130~
N3*7575 East Fulton Street~
N4*Ada*MI*49512~
PER*DC*Sharon Dean~
N1*SF*ANYNAME COMPANY~
N3*49 BIRCH STREET~
N4*ANYCITY*NJ*04448~
PO1*1*100*EA*0.3*CT*BP*VPQ1008B*VN*TESTVENDORITEM~
PID*F****SESQUI (1500# SUPERSACKS)~
PID*F****MECHANICALLY CONVEYED MATERIAL ONLY~
REF*ZZ** Resale~
DTM*074*20031205~
DTM*075*20031205~
DTM*018*20031201~
REF*ZZ** Resale~
DTM*074*20031201~
CTT*3~
SE*58*012141148~
GE*1*383~
IEA*1*000000383~
```

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	060	PER	Administrative Communications Contact	O	3		
	070	TAX	Tax Reference	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - N1			200	
	310	N1	Name - VENDOR	O	1		
			LOOP ID - N1			200	
	310	N1	Name - ORDERED BY	O	1		
			LOOP ID - N1			200	
	310	N1	Name - BILL TO	O	1		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	330	N3	Address Information - BILL TO	O	2		
	340	N4	Geographic Location - BILL TO	O	>1		
			LOOP ID - N1			200	
	310	N1	Name - SHIP TO	O	1		
	330	N3	Address Information - SHIP TO	O	2		
	340	N4	Geographic Location - SHIP TO	O	>1		
	360	PER	Administrative Communications Contact - SHIP TO	O	>1		
			LOOP ID - N1			200	
	310	N1	Name - SHIP FROM	O	1		
	330	N3	Address Information - SHIP FROM	O	2		
	340	N4	Geographic Location - SHIP FROM	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
	100	REF	Reference Identification	O	>1		
	210	DTM	Date/Time Reference	O	10		
	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - PKG			200	
	305	PKG	Marking, Packaging, Loading	O	1		
			LOOP ID - N1			200	
	350	N1	Name - SHIP TO	O	1		
	370	N3	Address Information - SHIP TO	O	2		
	380	N4	Geographic Location - SHIP TO	O	1		
	400	PER	Administrative Communications Contact - SHIP TO	O	3		
			LOOP ID - N1			200	
	350	N1	Name - SHIP FROM	O	1		
	370	N3	Address Information - SHIP FROM	O	2		
	380	N4	Geographic Location - SHIP FROM	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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.
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**

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

Data Element Summary

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

Segment:		**BEG** Beginning Segment for Purchase Order			

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
Syntax Notes:
Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
M	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			NE New Order		
M	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			The purchase order number will be 3 to 10 characters long.		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

			Segment:	**CUR** Currency

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
1 If CUR08 is present, then CUR07 is required.
2 If CUR09 is present, then CUR07 is required.
3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4 If CUR11 is present, then CUR10 is required.
5 If CUR12 is present, then CUR10 is required.
6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7 If CUR14 is present, then CUR13 is required.
8 If CUR15 is present, then CUR13 is required.
9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.
Semantic Notes:
Comments:
1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	CUR01	98	**Entity Identifier Code**	M	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual
VN   Vendor

M	CUR02	100	**Currency Code**	M	ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

	Segment:	**REF** Reference Identification

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                2   If either C04003 or C04004 is present, then the other is required.
                3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			ZZ Mutually Defined	
			Clauses normally printed as headers or trailers on the paper PO	
	REF03	**352**	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	

Segment:			**PER** Administrative Communications Contact		
Position:		060			
Loop:					
Level:		Heading			
Usage:		Optional			
Max Use:		3			
Purpose:		To identify a person or office to whom administrative communications should be directed			
Syntax Notes:		1	If either PER03 or PER04 is present, then the other is required.		
		2	If either PER05 or PER06 is present, then the other is required.		
		3	If either PER07 or PER08 is present, then the other is required.		
Semantic Notes:					
Comments:					

<div align="center">Data Element Summary</div>

	Ref. Des.	Data Element	Name		Attributes
M	PER01	366	**Contact Function Code**	M	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			BD Buyer Name or Department		
	PER02	93	**Name**	O	**AN 1/60**
			Free-form name		

			Segment:	**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *OC will be email address of planner handling the order*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PER01	366	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			OC Order Contact		
	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			EM Electronic Mail		
	PER04	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		

		TAX Tax Reference		
Segment:				
Position:	070			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	>1			
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction			
Syntax Notes:	1	At least one of TAX01 or TAX03 is required.		
	2	If either TAX02 or TAX03 is present, then the other is required.		
	3	If either TAX04 or TAX05 is present, then the other is required.		
	4	If either TAX06 or TAX07 is present, then the other is required.		
	5	If either TAX08 or TAX09 is present, then the other is required.		
	6	If either TAX10 or TAX11 is present, then the other is required.		
Semantic Notes:				
Comments:	1	Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.		
	2	TAX01 is required if tax exemption is being claimed.		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TAX01	**325**	**Tax Identification Number**	**X**	**AN 1/20**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		
		Tax Permit Number for Michigan Sales Tax Exemption		
TAX02	**309**	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
		SP State/Province		
TAX03	**310**	**Location Identifier**	**X**	**AN 1/30**
		Code which identifies a specific location		
		MI Michigan		

Segment:	**FOB** F.O.B. Related Instructions
Position:	080
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify transportation instructions relating to shipment

Syntax Notes:
1. If FOB03 is present, then FOB02 is required.
2. If FOB04 is present, then FOB05 is required.
3. If FOB07 is present, then FOB06 is required.
4. If FOB08 is present, then FOB09 is required.

Semantic Notes:
1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	FOB01	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2
			Code identifying the source of the transportation terms		
			01　　　　　　Incoterms		
	FOB05	335	**Transportation Terms Code**	X	ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

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

Syntax Notes:	**1**	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	**1**	ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	**1**	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
ITD01	336	**Terms Type Code**	O	ID 2/2
		Code identifying type of payment terms		
ITD02	333	**Terms Basis Date Code**	O	ID 1/2
		Code identifying the beginning of the terms period		
ITD03	338	**Terms Discount Percent**	O	R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD05	351	**Terms Discount Days Due**	X	N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD07	386	**Terms Net Days**	O	N0 1/3
		Number of days until total invoice amount is due (discount not applicable)		
ITD12	352	**Description**	O	AN 1/80
		A free-form description to clarify the related data elements and their content		

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

Syntax Notes:	1	At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2	If TD502 is present, then TD503 is required.
	3	If TD507 is present, then TD508 is required.
	4	If TD510 is present, then TD511 is required.
	5	If TD513 is present, then TD512 is required.
	6	If TD514 is present, then TD513 is required.
	7	If TD515 is present, then TD512 is required.
Semantic Notes:	1	TD515 is the country where the service is to be performed.
Comments:	1	When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:		*Carrier Details will be located in the header area or the detail area, but not both.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD501	**133**	**Routing Sequence Code**	O	ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement		
TD502	**66**	**Identification Code Qualifier**	X	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**	X	AN 2/80
		Code identifying a party or other code		
TD504	**91**	**Transportation Method/Type Code**	X	ID 1/2
		Code specifying the method or type of transportation for the shipment		
TD505	**387**	**Routing**	X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

	Segment:	**N1** Name - VENDOR
	Position:	310
	Loop:	N1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	1
	Purpose:	To identify a party by type of organization, name, and code
	Syntax Notes:	1 At least one of N102 or N103 is required.
		2 If either N103 or N104 is present, then the other is required.
	Semantic Notes:	
	Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
		2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			VN Vendor		
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		

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

Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Notes: *The N1 "ORDERED BY" will only be present for Hosted EDI.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	Entity Identifier Code	M	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual
        OB   Ordered By

	N102	93	Name	X	AN 1/60

Free-form name

Segment: **N1** **Name - BILL TO**
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BT Bill-to-Party		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		

Segment: **N3** Address Information - BILL TO
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** Geographic Location - BILL TO
Position: 340
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**N1** Name - SHIP TO			
Position:	310			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1 At least one of N102 or N103 is required.			
	2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:				
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
	2 N105 and N106 further define the type of entity in N101.			
Notes:	*Ship-To information will be located in the header area or the detail area, but not both.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To	
	N102	93	**Name**	**X AN 1/60**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			FA Facility Identification	
	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			This element will contain Access Business Group's DUNS number, and Access Business Group's actual receiving dock (Branch Plant). Ex. 00602679381130	

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Segment: # N3 Address Information - SHIP TO
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**N4** Geographic Location - SHIP TO
Position:	340
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**PER** Administrative Communications Contact - SHIP TO				
Position:	360				
Loop:	N1 Optional				
Level:	Heading				
Usage:	Optional				
Max Use:	>1				
Purpose:	To identify a person or office to whom administrative communications should be directed				
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.				
	2 If either PER05 or PER06 is present, then the other is required.				
	3 If either PER07 or PER08 is present, then the other is required.				
Semantic Notes:					
Comments:					
Notes:	*Used only for select MRO vendors*				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**PER01**	**366**	**Contact Function Code**		**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			DC	Delivery Contact	
	PER02	**93**	**Name**		**O AN 1/60**
			Free-form name		

Segment:	**N1** Name - SHIP FROM			
Position:	310			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1	At least one of N102 or N103 is required.		
	2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:				
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
	2	N105 and N106 further define the type of entity in N101.		
Notes:	*Ship-From information will be located in the header area or the detail area, but not both.*			

Data Element Summary

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

Segment: # N3 Address Information - SHIP FROM
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	N4 Geographic Location - SHIP FROM
Position:	340
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**PO1** Baseline Item Data				

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
Syntax Notes:	

1	If PO103 is present, then PO102 is required.
2	If PO105 is present, then PO104 is required.
3	If either PO106 or PO107 is present, then the other is required.
4	If either PO108 or PO109 is present, then the other is required.
5	If either PO110 or PO111 is present, then the other is required.
6	If either PO112 or PO113 is present, then the other is required.
7	If either PO114 or PO115 is present, then the other is required.
8	If either PO116 or PO117 is present, then the other is required.
9	If either PO118 or PO119 is present, then the other is required.
10	If either PO120 or PO121 is present, then the other is required.
11	If either PO122 or PO123 is present, then the other is required.
12	If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:

1	See the Data Element Dictionary for a complete list of IDs.
2	PO101 is the line item identification.
3	PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	PO101	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			This value MUST be returned on the 855 PO Acknowledgment and the 810 Invoice		
	PO102	330	Quantity Ordered	X	R 1/15
			Quantity ordered		
	PO103	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	PO104	212	Unit Price	X	R 1/17
			Price per unit of product, service, commodity, etc.		
	PO105	639	Basis of Unit Price Code	O	ID 2/2
			Code identifying the type of unit price for an item		
			CT Contract		
	PO106	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
	PO107	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	PO108	235	Product/Service ID Qualifier	X	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)		
			VA Vendor's Style Number		
			VN Vendor's (Seller's) Item Number		
	PO109	234	Product/Service ID	X	AN 1/48

Identifying number for a product or service

PO110	**235**	**Product/Service ID Qualifier**	**X**	**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)

    VA   Vendor's Style Number

    VN   Vendor's (Seller's) Item Number

PO111	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO112	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

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

    EP   Buyer's End Product Number

PO113	**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

Syntax Notes:	1	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	1	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4	PID09 is used to identify the language being used in PID05.
Comments:	1	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

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

Segment:		**REF** Reference Identification			
Position:	100				
Loop:	PO1	Mandatory			
Level:	Detail				
Usage:	Optional				
Max Use:	>1				
Purpose:	To specify identifying information				
Syntax Notes:	1	At least one of REF02 or REF03 is required.			
	2	If either C04003 or C04004 is present, then the other is required.			
	3	If either C04005 or C04006 is present, then the other is required.			
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			ZZ	Mutually Defined	
			Tax Explanation		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**DTM** Date/Time Reference				
Position:	210				
Loop:	PO1	Mandatory			
Level:	Detail				
Usage:	Optional				
Max Use:	10				
Purpose:	To specify pertinent dates and times				

Syntax Notes:
1. At least one of DTM02 DTM03 or DTM05 is required.
2. If DTM04 is present, then DTM03 is required.
3. If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			018 Available		
			074 Requested for Delivery (Prior to and Including)		
			075 Promised for Delivery (Prior to and Including)		
			710 Date of Specification		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)	
Position:	250	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.	
	2 If TD502 is present, then TD503 is required.	
	3 If TD507 is present, then TD508 is required.	
	4 If TD510 is present, then TD511 is required.	
	5 If TD513 is present, then TD512 is required.	
	6 If TD514 is present, then TD513 is required.	
	7 If TD515 is present, then TD512 is required.	
Semantic Notes:	1 TD515 is the country where the service is to be performed.	
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.	
Notes:	*Carrier Details will be located in the header area or the detail area, but not both.*	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
TD501	**133**	**Routing Sequence Code**	**O**	**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**	**X**	**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**	**X**	**AN 2/80**
		Code identifying a party or other code		
TD504	**91**	**Transportation Method/Type Code**	**X**	**ID 1/2**
		Code specifying the method or type of transportation for the shipment		
TD505	**387**	**Routing**	**X**	**AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment:	**PKG** Marking, Packaging, Loading
Position:	305
Loop:	PKG Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:	1	At least one of PKG04 PKG05 or PKG06 is required.
	2	If PKG04 is present, then PKG03 is required.
	3	If PKG05 is present, then PKG01 is required.
Semantic Notes:	1	PKG04 should be used for industry-specific packaging description codes.
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PKG01	349	**Item Description Type**	X	**ID 1/1**
		Code indicating the format of a description		
		F Free-form		
PKG02	753	**Packaging Characteristic Code**	O	**ID 1/5**
		Code specifying the marking, packaging, loading and related characteristics being described		
		35 Type of Package		
PKG05	352	**Description**	X	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		This element contains catalog item special packaging and marking instructions.		

Segment:		**N1** Name - SHIP TO			
Position:		350			
Loop:		N1	Optional		
Level:		Detail			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		1	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
Comments:		1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2	N105 and N106 further define the type of entity in N101.		
Notes:		*Ship-To information will be located in the header area or the detail area, but not both.*			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			ST　　　　　Ship To		
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			FA　　　　　Facility Identification		
	N104	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			This element will contain customer's DUNS number, and Access Business Group's actual receiving dock (Branch Plant). Ex. 00602679381130		

Segment: # N3 Address Information - SHIP TO
Position: 370
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**N4** Geographic Location - SHIP TO
Position:	380
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**PER** Administrative Communications Contact - SHIP TO			
Position:	400			
Loop:	N1　　　Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	3			
Purpose:	To identify a person or office to whom administrative communications should be directed			
Syntax Notes:	1　　If either PER03 or PER04 is present, then the other is required.			
	2　　If either PER05 or PER06 is present, then the other is required.			
	3　　If either PER07 or PER08 is present, then the other is required.			
Semantic Notes:				
Comments:				
Notes:	*Used for select MRO vendors only*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	**M　ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			DC　　　　　　Delivery Contact	
	PER02	93	**Name**	**O　AN 1/60**
			Free-form name	

Segment:	**N1** Name - SHIP FROM			
Position:	350			
Loop:	N1 Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1 At least one of N102 or N103 is required.			
	2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:				
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
	2 N105 and N106 further define the type of entity in N101.			
Notes:	*Ship-From information will be located in the header area or the detail area, but not both.*			

Data Element Summary

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

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Segment: **N3** Address Information - SHIP FROM
Position: 370
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**N4** Geographic Location - SHIP FROM	
Position:	380	
Loop:	N1 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1 If N406 is present, then N405 is required.	
Semantic Notes:		
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
	2 N402 is required only if city name (N401) is in the U.S. or Canada.	

Data Element Summary

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

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
Syntax Notes: 1   If either CTT03 or CTT04 is present, then the other is required.
    2   If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

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

Segment:	**SE** Transaction Set Trailer				

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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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

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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	150	DTM	Date/Time Reference	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
	010	PO1	Baseline Item Data	O	1		n1
	100	REF	Reference Identification	O	>1		
	200	DTM	Date/Time Reference	O	10		
			LOOP ID - ACK			104	
	270	ACK	Line Item Acknowledgment	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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.
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

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

Data Element Summary

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

			BAK Beginning Segment for Purchase Order Acknowledgment

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
Syntax Notes:
Semantic Notes: **1**   BAK04 is the date assigned by the purchaser to purchase order.
                2   BAK08 is the seller's order number.
                3   BAK09 is the date assigned by the sender to the acknowledgment.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**BAK01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			Code identifying purpose of transaction set		
			00 Original		
M	**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		
			AE Acknowledge - With Exception Detail Only		
			AK Acknowledge - No Detail or Change		
			RJ Rejected - No Detail		
M	**BAK03**	**324**	**Purchase Order Number**	**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			The purchase order number will be 3 to 10 characters long.		
M	**BAK04**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
			This element contains the date of the original purchase order.		

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                2   If either C04003 or C04004 is present, then the other is required.
                3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3

Code qualifying the Reference Identification

     ZZ   Mutually Defined

	Ref. Des.	Data Element	Name	Attributes	
	REF02	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

The REF02 has the same use as REF03.   REF03 will overlay REF02. Never Use Both.

	Ref. Des.	Data Element	Name	Attributes	
	REF03	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

This value will be printed on the Access Business Group Purchase Order acknowledgment report. Please use it to communicate set up charges and to highlight unusual changes. This will allow ABG to correct the contract to include the information so you can be properly paid when you invoice us.

| | | | | Segment: | **FOB** F.O.B. Related Instructions |

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
1. If FOB03 is present, then FOB02 is required.
2. If FOB04 is present, then FOB05 is required.
3. If FOB07 is present, then FOB06 is required.
4. If FOB08 is present, then FOB09 is required.

Semantic Notes:
1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	FOB01	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2
			Code identifying the source of the transportation terms		
			01 Incoterms		
	FOB05	335	**Transportation Terms Code**	X	ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

	Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Delivery date changes must use one of the listed codes to be processed by our application.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3
			Code specifying type of date or time, or both date and time	
			017 Estimated Delivery	
			067 Current Schedule Delivery	
			075 Promised for Delivery (Prior to and Including)	
	DTM02	373	**Date**	X DT 8/8
			Date expressed as CCYYMMDD	

Segment:	**PO1** Baseline Item Data				
Position:	010				
Loop:	PO1	Optional			
Level:	Detail				
Usage:	Optional				
Max Use:	1				
Purpose:	To specify basic and most frequently used line item data				
Syntax Notes:	1	If PO103 is present, then PO102 is required.			
	2	If PO105 is present, then PO104 is required.			
	3	If either PO106 or PO107 is present, then the other is required.			
	4	If either PO108 or PO109 is present, then the other is required.			
	5	If either PO110 or PO111 is present, then the other is required.			
	6	If either PO112 or PO113 is present, then the other is required.			
	7	If either PO114 or PO115 is present, then the other is required.			
	8	If either PO116 or PO117 is present, then the other is required.			
	9	If either PO118 or PO119 is present, then the other is required.			
	10	If either PO120 or PO121 is present, then the other is required.			
	11	If either PO122 or PO123 is present, then the other is required.			
	12	If either PO124 or PO125 is present, then the other is required.			
Semantic Notes:					
Comments:	1	See the Data Element Dictionary for a complete list of IDs.			
	2	PO101 is the line item identification.			
	3	PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PO101	350	**Assigned Identification**	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			This value MUST match what was sent on the 850 purchase order.		
	PO102	330	**Quantity Ordered**	X	R 1/15
			Quantity ordered		
	PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	PO104	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
	PO105	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
			CT	Contract	
	PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP	Buyer's Part Number	
			EP	Buyer's End Product Number	
			IN	Buyer's Item Number	
			VC	Vendor's (Seller's) Catalog Number	
			VN	Vendor's (Seller's) Item Number	
			VP	Vendor's (Seller's) Part Number	
	PO107	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
	PO108	235	**Product/Service ID Qualifier**	X	ID 2/2

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

BP	Buyer's Part Number
EP	Buyer's End Product Number
IN	Buyer's Item Number
VC	Vendor's (Seller's) Catalog Number
VN	Vendor's (Seller's) Item Number
VP	Vendor's (Seller's) Part Number

PO109	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO110	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

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

Hosted EDI Only

SO	System Identifier

PO111	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

OLV

Segment: **REF** Reference Identification
Position: 100
Loop: PO1   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                2   If either C04003 or C04004 is present, then the other is required.
                3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			ZZ Mutually Defined		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			The REF02 has the same use as REF03. REF03 will overlay REF02.		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			This value will be printed on the Access Business Group Purchase Order acknowledgement report. Please use it to communicate set up charges and to highlight unusual changes. This will allow ABG to correct the contract to include the information so you can be properly paid when you invoice us.		

Segment:		**DTM** Date/Time Reference		

Segment: **DTM** Date/Time Reference
Position: 200
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Delivery date changes must use one of the listed codes to be processed by our application.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			017 Estimated Delivery		
			067 Current Schedule Delivery		
			075 Promised for Delivery (Prior to and Including)		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			Supercedes Date in Header.		

Segment:	**ACK** Line Item Acknowledgment			

Segment:	**ACK** Line Item Acknowledgment
Position:	270
Loop:	ACK Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:	1 If either ACK02 or ACK03 is present, then the other is required.
	2 If ACK04 is present, then ACK05 is required.
	3 If either ACK07 or ACK08 is present, then the other is required.
	4 If either ACK09 or ACK10 is present, then the other is required.
	5 If either ACK11 or ACK12 is present, then the other is required.
	6 If either ACK13 or ACK14 is present, then the other is required.
	7 If either ACK15 or ACK16 is present, then the other is required.
	8 If either ACK17 or ACK18 is present, then the other is required.
	9 If either ACK19 or ACK20 is present, then the other is required.
	10 If either ACK21 or ACK22 is present, then the other is required.
	11 If either ACK23 or ACK24 is present, then the other is required.
	12 If either ACK25 or ACK26 is present, then the other is required.
	13 If either ACK27 or ACK28 is present, then the other is required.
	14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:	1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:	
Notes:	*The ACK segment if present falls after the DTM and will override delivery date DTM02 with same qualifiers if both are provided with promise date qualifiers. Three fields in the ACK segment are of interest to us. They are quantity, date qualifier and date.*
	INSTRUCTION FOR SPLIT DELIVERY ON A LINE
	If acknowledging splitting a line, use Line Item Status Codes BP or IB for multiple delivery dates with associated quantities. Only BP & IB will sum the ACK quantities for total order quantity. Otherwise, the last ACK02 quantity will be set to order quantity.
	*EXAMPLE:
	PO1*5*200*EA*.0635**BP*99999BN
	ACK*IB*100*EA*075*20070626
	ACK*IB*100*EA*075*20070711
	To reject a line or acknowledge a line cancel set ACK01 to 'ID'

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	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		
	ACK02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			This quantity will supercede the quantity in PO102		
	ACK03	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	ACK04	374	**Date/Time Qualifier**	O	ID 3/3
			Code specifying type of date or time, or both date and time		
			Access Business Group will recognize any one of these qualifiers to communicate promised delivery date. Other qualifiers will be ignored.		
		017	Estimated Delivery		

| | 067 | Current Schedule Delivery |
| | 075 | Promised for Delivery (Prior to and Including) |

ACK05   **373**   **Date**   **X   DT 8/8**

Date expressed as CCYYMMDD

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
Syntax Notes: 1   If either CTT03 or CTT04 is present, then the other is required.
    2   If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

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

			Segment:	**SE** Transaction Set Trailer

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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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

860 Purchase Order Change Request - Buyer Initiated

<div align="right">

Functional Group ID=PC

</div>

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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BCH	Beginning Segment for Purchase Order Change	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	060	PER	Administrative Communications Contact	O	3		
	070	TAX	Tax Reference	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - N1			200	
	300	N1	Name - VENDOR	O	1		
			LOOP ID - N1			200	
	300	N1	Name - ORDERED BY	O	1		
			LOOP ID - N1			200	
	300	N1	Name - BILL TO	O	1		
	320	N3	Address Information - BILL TO	O	2		
	330	N4	Geographic Location - BILL TO	O	>1		
			LOOP ID - N1			200	
	300	N1	Name - SHIP TO	O	1		
	320	N3	Address Information - SHIP TO	O	2		
	330	N4	Geographic Location - SHIP TO	O	>1		
	350	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	
	300	N1	Name - SHIP FROM	O	1		
	320	N3	Address Information - SHIP FROM	O	2		
	330	N4	Geographic Location - SHIP FROM	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - POC			>1	

010	POC	Line Item Change	F	1	
		LOOP ID - PID			1000
050	PID	Product/Item Description	O	1	
080	PKG	Marking, Packaging, Loading	O	200	
100	REF	Reference Identification	O	>1	
200	DTM	Date/Time Reference	O	10	
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
		LOOP ID - N1			200
340	N1	Name - SHIP TO	O	1	
360	N3	Address Information - SHIP TO	O	2	
370	N4	Geographic Location - SHIP TO	O	1	
390	PER	Administrative Communications Contact - SHIP TO	O	3	
		LOOP ID - N1			200
340	N1	Name - SHIP FROM	O	1	
360	N3	Address Information - SHIP FROM	O	2	
370	N4	Geographic Location - SHIP FROM	O	1	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n1
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1.   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**			

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

Data Element Summary

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

	Segment:	**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
	Syntax Notes:	
	Semantic Notes:	**1** BCH06 is the date assigned by the purchaser to purchase order.
		2 BCH09 is the seller's order number.
		3 BCH10 is the date assigned by the sender to the acknowledgment.
		4 BCH11 is the date of the purchase order change request.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BCH01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			04　　　　　Change		
M	BCH02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			CP　　　　　Change to Purchase Order		
M	BCH03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			The purchase order number will be 3 to 10 characters long.		
M	BCH06	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

Segment:	**CUR** Currency
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	CUR01	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			VN Vendor		
M	CUR02	100	**Currency Code**	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		

			Segment:	**REF** Reference Identification

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
            2 If either C04003 or C04004 is present, then the other is required.
            3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			ZZ Mutually Defined	
			Clauses normally printed as headers or trailers on the paper PO	
	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment:	**PER** Administrative Communications Contact				
Position:	060				
Loop:					
Level:	Heading				
Usage:	Optional				
Max Use:	3				
Purpose:	To identify a person or office to whom administrative communications should be directed				
Syntax Notes:	1	If either PER03 or PER04 is present, then the other is required.			
	2	If either PER05 or PER06 is present, then the other is required.			
	3	If either PER07 or PER08 is present, then the other is required.			
Semantic Notes:					
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PER01	366	**Contact Function Code**	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			BD Buyer Name or Department		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		

Segment:		**PER** Administrative Communications Contact		

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
   1   If either PER03 or PER04 is present, then the other is required.
   2   If either PER05 or PER06 is present, then the other is required.
   3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *OC will be email address of planner handling the order*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
M	**PER01**	**366**	**Contact Function Code**	**M** **ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			OC Order Contact	
	PER03	**365**	**Communication Number Qualifier**	**X** **ID 2/2**
			Code identifying the type of communication number	
			EM Electronic Mail	
	PER04	**364**	**Communication Number**	**X** **AN 1/80**
			Complete communications number including country or area code when applicable	

Segment:	**TAX** Tax Reference
Position:	070
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Syntax Notes:
1. At least one of TAX01 or TAX03 is required.
2. If either TAX02 or TAX03 is present, then the other is required.
3. If either TAX04 or TAX05 is present, then the other is required.
4. If either TAX06 or TAX07 is present, then the other is required.
5. If either TAX08 or TAX09 is present, then the other is required.
6. If either TAX10 or TAX11 is present, then the other is required.

Semantic Notes:

Comments:
1. Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TAX01	325	**Tax Identification Number**	X	AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		
		Tax Permit Number for Michigan Sales Tax Exemption		
TAX02	309	**Location Qualifier**	X	ID 1/2
		Code identifying type of location		
		SP State/Province		
TAX03	310	**Location Identifier**	X	AN 1/30
		Code which identifies a specific location		
		MI Michigan		

	Segment:	**FOB** F.O.B. Related Instructions
	Position:	080
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	>1
	Purpose:	To specify transportation instructions relating to shipment

Syntax Notes:
1. If FOB03 is present, then FOB02 is required.
2. If FOB04 is present, then FOB05 is required.
3. If FOB07 is present, then FOB06 is required.
4. If FOB08 is present, then FOB09 is required.

Semantic Notes:
1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**FOB01**	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**
			Code identifying payment terms for transportation charges		
	FOB04	**334**	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**
			Code identifying the source of the transportation terms		
			01 Incoterms		
	FOB05	**335**	**Transportation Terms Code**	**X**	**ID 3/3**
			Code identifying the trade terms which apply to the shipment transportation responsibility		

		Segment:	**ITD** Terms of Sale/Deferred Terms of Sale

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale
Syntax Notes: 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes: 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments: 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD01	336	**Terms Type Code**	O	**ID 2/2**
		Code identifying type of payment terms		
ITD02	333	**Terms Basis Date Code**	O	**ID 1/2**
		Code identifying the beginning of the terms period		
ITD03	338	**Terms Discount Percent**	O	**R 1/6**
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD05	351	**Terms Discount Days Due**	X	**N0 1/3**
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD07	386	**Terms Net Days**	O	**N0 1/3**
		Number of days until total invoice amount is due (discount not applicable)		
ITD12	352	**Description**	O	**AN 1/80**
		A free-form description to clarify the related data elements and their content		

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
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2 If TD502 is present, then TD503 is required.
	3 If TD507 is present, then TD508 is required.
	4 If TD510 is present, then TD511 is required.
	5 If TD513 is present, then TD512 is required.
	6 If TD514 is present, then TD513 is required.
	7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	*Carrier Details will be located in the header area or the detail area, but not both.*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
TD501	133	**Routing Sequence Code**	O	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**	X	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**	X	AN 2/80
		Code identifying a party or other code		
TD504	91	**Transportation Method/Type Code**	X	ID 1/2
		Code specifying the method or type of transportation for the shipment		
TD505	387	**Routing**	X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment:		**N1** Name - VENDOR		
Position:		300		
Loop:		N1 Optional		
Level:		Heading		
Usage:		Optional		
Max Use:		1		
Purpose:		To identify a party by type of organization, name, and code		
Syntax Notes:		1 At least one of N102 or N103 is required.		
		2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:				
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2 N105 and N106 further define the type of entity in N101.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			VN Vendor	
	N102	93	**Name**	**X AN 1/60**
			Free-form name	

Segment:		**N1** Name - ORDERED BY	
Position:		300	
Loop:		N1 Optional	
Level:		Heading	
Usage:		Optional	
Max Use:		1	
Purpose:		To identify a party by type of organization, name, and code	
Syntax Notes:		1 At least one of N102 or N103 is required.	
		2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
		2 N105 and N106 further define the type of entity in N101.	
Notes:		*The N1 "ORDERED BY" will only be present for Hosted EDI.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			OB Ordered By	
	N102	93	**Name**	X AN 1/60
			Free-form name	

Segment: # N1 Name - BILL TO

Position:	300
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BT Bill-to-Party		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		

Segment: # N3 Address Information - BILL TO
Position: 320
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** **Geographic Location - BILL TO**
Position: 330
Loop: N1　　Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1　If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1　A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
　　　　　　2　N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**N1** Name - SHIP TO			
Position:	300			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1 At least one of N102 or N103 is required.			
	2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:				
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
	2 N105 and N106 further define the type of entity in N101.			
Notes:	*Ship-To information will be located in the header area or the detail area, but not both.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			ST Ship To		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			FA Facility Identification		
	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			This element will contain Access Business Group's DUNS number, and Access Business Group's actual receiving dock (Branch Plant). Ex. 00602679381130		

Segment: # N3 Address Information - SHIP TO

Position:	320
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

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

Segment:	**N4** Geographic Location - SHIP TO
Position:	330
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**PER** Administrative Communications Contact
Position:	350
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*Used only for select MRO vendors*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PER01	366	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			DC Delivery Contact		
	PER02	93	**Name**	**O**	**AN 1/60**
			Free-form name		

Segment:	**N1** Name - SHIP FROM				

Segment: **N1** Name - SHIP FROM

Position: 300

Loop: N1   Optional

Level: Heading

Usage: Optional

Max Use: 1

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

Syntax Notes: 1   At least one of N102 or N103 is required.

           2   If either N103 or N104 is present, then the other is required.

Semantic Notes:

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

           2   N105 and N106 further define the type of entity in N101.

Notes: *Ship-From information will be located in the header area or the detail area, but not both.*

Data Element Summary

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

Segment: # N3 Address Information - SHIP FROM
Position: 320
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: # N4 Geographic Location - SHIP FROM
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
           2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:		**POC** Line Item Change		
Position:	010			
Loop:	POC	Floating		
Level:	Detail			
Usage:	Floating			
Max Use:	1			
Purpose:	To specify changes to a line item			
Syntax Notes:	1	If POC03 is present, then both POC04 and POC05 are required.		
	2	If POC07 is present, then POC06 is required.		
	3	If either POC08 or POC09 is present, then the other is required.		
	4	If either POC10 or POC11 is present, then the other is required.		
	5	If either POC12 or POC13 is present, then the other is required.		
	6	If either POC14 or POC15 is present, then the other is required.		
	7	If either POC16 or POC17 is present, then the other is required.		
	8	If either POC18 or POC19 is present, then the other is required.		
	9	If either POC20 or POC21 is present, then the other is required.		
	10	If either POC22 or POC23 is present, then the other is required.		
	11	If either POC24 or POC25 is present, then the other is required.		
	12	If either POC26 or POC27 is present, then the other is required.		
Semantic Notes:	1	POC01 is the purchase order line item identification.		
Comments:				
Notes:		*For Hosted EDI Partners ONLY: POC02 will be 'RE' instead of 'CA'*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	POC01	350	**Assigned Identification**	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			This value MUST be returned on the 865 PO Change Acknowledgment and the 810 Invoice.		
M	POC02	670	**Change or Response Type Code**	M	ID 2/2
			Code specifying the type of change to the line item		
			AI Add Additional Item(s)		
			CA Changes To Line Items		
			DI Delete Item(s)		
	POC03	330	**Quantity Ordered**	O	R 1/15
			Quantity ordered		
	POC04	671	**Quantity Left to Receive**	X	R 1/9
			Quantity left to receive as qualified by the unit of measure		
	POC05	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	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		
	POC06	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
	POC07	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
			CT Contract		
	POC08	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
	POC09	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

POC10	**235**	**Product/Service ID Qualifier**	**X**	**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)
VA	Vendor's Style Number
VN	Vendor's (Seller's) Item Number

POC11	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

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)

UP	U.P.C. Consumer Package Code (1-5-5-1)
VA	Vendor's Style Number
VN	Vendor's (Seller's) Item Number

POC13	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

POC14	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

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

EP	Buyer's End Product Number

POC15	**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			

Syntax Notes:	1	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	1	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4	PID09 is used to identify the language being used in PID05.
Comments:	1	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

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

Segment:	**PKG** Marking, Packaging, Loading
Position:	080
Loop:	POC Floating
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:
1. At least one of PKG04 PKG05 or PKG06 is required.
2. If PKG04 is present, then PKG03 is required.
3. If PKG05 is present, then PKG01 is required.

Semantic Notes:
1. PKG04 should be used for industry-specific packaging description codes.

Comments:
1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.
4. Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PKG01	349	**Item Description Type**	X	**ID 1/1**
		Code indicating the format of a description		
		F Free-form		
PKG02	753	**Packaging Characteristic Code**	O	**ID 1/5**
		Code specifying the marking, packaging, loading and related characteristics being described		
		35 Type of Package		
PKG05	352	**Description**	X	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		This element contains catalog item special packaging and marking instructions.		

				Segment:	**REF** Reference Identification

Segment: **REF** Reference Identification
Position: 100
Loop: POC Floating
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	Reference Identification Qualifier		M ID 2/3
			Code qualifying the Reference Identification		
			ZZ	Mutually Defined	
			Tax Explanation		
	REF03	352	Description		X AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **DTM** Date/Time Reference
Position: 200
Loop: POC   Floating
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
    2   If DTM04 is present, then DTM03 is required.
    3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	Date/Time Qualifier	M	ID 3/3

Code specifying type of date or time, or both date and time

018	Available
074	Requested for Delivery (Prior to and Including)
075	Promised for Delivery (Prior to and Including)
710	Date of Specification

	Ref. Des.	Data Element	Name		Attributes
	DTM02	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)
Position:	240
Loop:	POC Floating
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2 If TD502 is present, then TD503 is required.
	3 If TD507 is present, then TD508 is required.
	4 If TD510 is present, then TD511 is required.
	5 If TD513 is present, then TD512 is required.
	6 If TD514 is present, then TD513 is required.
	7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	*Carrier Details will be located in the header area or the detail area, but not both.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD501	133	**Routing Sequence Code**	O 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**	X 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**	X AN 2/80
		Code identifying a party or other code	
TD504	91	**Transportation Method/Type Code**	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
TD505	387	**Routing**	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment:	**N1** Name - SHIP TO			
Position:	340			
Loop:	N1 Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1 At least one of N102 or N103 is required.			
	2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:				
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
	2 N105 and N106 further define the type of entity in N101.			
Notes:	*Ship-To information will be located in the header area or the detail area, but not both.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To	
	N102	93	**Name**	**X AN 1/60**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			FA Facility Identification	
	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			This element will contain Access Business Group's DUNS number, and Access Business Group's actual receiving dock (Branch Plant). Ex. 00602679381130	

Segment: **N3** Address Information - SHIP TO
Position: 360
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**N4** Geographic Location - SHIP TO
Position:	370
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:		**PER** Administrative Communications Contact - SHIP TO		

Segment: **PER** Administrative Communications Contact - SHIP TO
Position: 390
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1   If either PER03 or PER04 is present, then the other is required.
2   If either PER05 or PER06 is present, then the other is required.
3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

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Data Element Summary

</div>

	Ref. Des.	Data Element	Name		Attributes
M	PER01	366	**Contact Function Code**	M	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			DC Delivery Contact		
	PER02	93	**Name**	O	**AN 1/60**
			Free-form name		

Segment:		**N1** Name - SHIP FROM			
Position:		340			
Loop:		N1 Optional			
Level:		Detail			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		1 At least one of N102 or N103 is required.			
		2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:					
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
		2 N105 and N106 further define the type of entity in N101.			
Notes:		*Ship-From information will be located in the header area or the detail area, but not both.*			

Data Element Summary

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

Segment: **N3** Address Information - SHIP FROM
Position: 360
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** **Geographic Location - SHIP FROM**
Position: 370
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

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				
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.				
	2 If either CTT05 or CTT06 is present, then the other is required.				
Semantic Notes:					
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.				

Data Element Summary

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

			Segment:	**SE** Transaction Set Trailer

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)
Syntax Notes:
Semantic Notes:
Comments: **1**   SE is the last segment of each transaction set.

Data Element Summary

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

865 Purchase Order Change Acknowledgment/Request - Seller Initiated

Functional Group ID=CA

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Acknowledgment/Request - Seller Initiated Transaction Set (865) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey acceptance or rejection of changes to a previously submitted purchase order by the seller or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller.

Notes:

Please see the special notes regarding the BCA03 and POC01 elements.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BCA	Beginning Segment for Purchase Order Change Acknowledgment	M	1		
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	150	DTM	Date/Time Reference	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - POC			>1	
	010	POC	Line Item Change	O	1		
	100	REF	Reference Identification	O	>1		
	200	DTM	Date/Time Reference	O	10		
			LOOP ID - ACK			104	
	270	ACK	Line Item Acknowledgment	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n1
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M** **ID 3/3**
			Code uniquely identifying a Transaction Set	
			865 Purchase Order Change Acknowledgment/Request - Seller Initiated	
M	**ST02**	**329**	**Transaction Set Control Number**	**M** **AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**

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

Syntax Notes:
Semantic Notes:
1 BCA06 is the date assigned by the purchaser to purchase order.
2 BCA09 is the seller's order number.
3 BCA10 is the date assigned by the sender to the acknowledgment.
4 BCA11 is the date of the purchase order change request.
5 BCA12 is the order change acknowledgment date.

Comments:

Data Element Summary

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**
M	**BCA01**	**353**	**Transaction Set Purpose Code**	**M** **ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
M	**BCA02**	**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	
			AE Acknowledge - With Exception Detail Only	
			AK Acknowledge - No Detail or Change	
M	**BCA03**	**324**	**Purchase Order Number**	**M** **AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			The purchase order number will be 3 to 10 characters long.	
M	**BCA06**	**373**	**Date**	**M** **DT 8/8**
			Date expressed as CCYYMMDD	
			This element contains the date of the original purchase order.	

<table>
<tr><td align="right">**Segment:**</td><td># REF Reference Identification</td></tr>
<tr><td align="right">**Position:**</td><td>050</td></tr>
<tr><td align="right">**Loop:**</td><td></td></tr>
<tr><td align="right">**Level:**</td><td>Heading</td></tr>
<tr><td align="right">**Usage:**</td><td>Optional</td></tr>
<tr><td align="right">**Max Use:**</td><td>>1</td></tr>
<tr><td align="right">**Purpose:**</td><td>To specify identifying information</td></tr>
<tr><td align="right">**Syntax Notes:**</td><td>1   At least one of REF02 or REF03 is required.</td></tr>
<tr><td></td><td>2   If either C04003 or C04004 is present, then the other is required.</td></tr>
<tr><td></td><td>3   If either C04005 or C04006 is present, then the other is required.</td></tr>
<tr><td align="right">**Semantic Notes:**</td><td>1   REF04 contains data relating to the value cited in REF02.</td></tr>
<tr><td align="right">**Comments:**</td><td></td></tr>
</table>

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			ZZ Mutually Defined		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			The REF02 has the same use as REF03. REF03 will overlay REF02. Never Use Both.		
	REF03	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			This value will be printed on the Access Business Group Purchase Order acnowledgement report. Please use it to communicate set up charges and to highlight unusual changes. This will allow ABG to correct the contract to include the information so you can be properly paid when you invoice us.		

Segment:	**FOB** F.O.B. Related Instructions				

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
    1   If FOB03 is present, then FOB02 is required.
    2   If FOB04 is present, then FOB05 is required.
    3   If FOB07 is present, then FOB06 is required.
    4   If FOB08 is present, then FOB09 is required.
Semantic Notes:
    1   FOB01 indicates which party will pay the carrier.
    2   FOB02 is the code specifying transportation responsibility location.
    3   FOB06 is the code specifying the title passage location.
    4   FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	FOB01	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2
			Code identifying the source of the transportation terms		
			01 Incoterms		
	FOB05	335	**Transportation Terms Code**	X	ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

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

Syntax Notes:
  1 At least one of DTM02 DTM03 or DTM05 is required.
  2 If DTM04 is present, then DTM03 is required.
  3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:
Notes: *Delivery date changes must use one of the listed codes to be processed by our application.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M DTM01	374	**Date/Time Qualifier**	M ID 3/3
		Code specifying type of date or time, or both date and time	
		017 Estimated Delivery	
		067 Current Schedule Delivery	
		075 Promised for Delivery (Prior to and Including)	
DTM02	373	**Date**	X DT 8/8
		Date expressed as CCYYMMDD	

			Segment:	**POC** Line Item Change

Segment: **POC** Line Item Change
Position: 010
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify changes to a line item
Syntax Notes: **1**   If POC03 is present, then both POC04 and POC05 are required.
                     2   If POC07 is present, then POC06 is required.
                     3   If either POC08 or POC09 is present, then the other is required.
                     4   If either POC10 or POC11 is present, then the other is required.
                     5   If either POC12 or POC13 is present, then the other is required.
                     6   If either POC14 or POC15 is present, then the other is required.
                     7   If either POC16 or POC17 is present, then the other is required.
                     8   If either POC18 or POC19 is present, then the other is required.
                     9   If either POC20 or POC21 is present, then the other is required.
                   10   If either POC22 or POC23 is present, then the other is required.
                   11   If either POC24 or POC25 is present, then the other is required.
                   12   If either POC26 or POC27 is present, then the other is required.
Semantic Notes: **1**   POC01 is the purchase order line item identification.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**POC01**	**350**	**Assigned Identification**	**M AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set	
			This value MUST match what was sent on the 860 purchase order change.	
M	**POC02**	**670**	**Change or Response Type Code**	**M ID 2/2**
			Code specifying the type of change to the line item	
			AI Add Additional Item(s)	
			CA Changes To Line Items	
			DI Delete Item(s)	
	POC03	**330**	**Quantity Ordered**	**O R 1/15**
			Quantity ordered	
	POC04	**671**	**Quantity Left to Receive**	**X R 1/9**
			Quantity left to receive as qualified by the unit of measure	
	POC05	**C001**	**Composite Unit of Measure**	**X**
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	**C00101**	**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	
	POC06	**212**	**Unit Price**	**X R 1/17**
			Price per unit of product, service, commodity, etc.	
	POC07	**639**	**Basis of Unit Price Code**	**O ID 2/2**
			Code identifying the type of unit price for an item	
			CT Contract	
	POC08	**235**	**Product/Service ID Qualifier**	**X ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			BP Buyer's Part Number	
			EP Buyer's End Product Number	
			IN Buyer's Item Number	

		VC	Vendor's (Seller's) Catalog Number	
		VN	Vendor's (Seller's) Item Number	
		VP	Vendor's (Seller's) Part Number	
POC09	**234**	**Product/Service ID**		**X AN 1/48**

Identifying number for a product or service

POC10	**235**	**Product/Service ID Qualifier**		**X ID 2/2**

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

BP	Buyer's Part Number
EP	Buyer's End Product Number
IN	Buyer's Item Number
VC	Vendor's (Seller's) Catalog Number
VN	Vendor's (Seller's) Item Number
VP	Vendor's (Seller's) Part Number

POC11	**234**	**Product/Service ID**		**X AN 1/48**

Identifying number for a product or service

Segment: **REF** Reference Identification
Position: 100
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			ZZ Mutually Defined		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			The REF02 has the same use as REF03. REF03 will overlay REF02.		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			This value will be printed on the Access Business Group Purchase Order acnowledgement report. Please use it to communicate set up charges and to highlight unusual changes. This will allow ABG to correct the contract to include the information so you can be properly paid when you invoice us.		

Segment:	**DTM** Date/Time Reference			
Position:	200			
Loop:	POC	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	10			
Purpose:	To specify pertinent dates and times			
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.		
	2	If DTM04 is present, then DTM03 is required.		
	3	If either DTM05 or DTM06 is present, then the other is required.		
Semantic Notes:				
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3
			Code specifying type of date or time, or both date and time	
			017 Estimated Delivery	
			067 Current Schedule Delivery	
			075 Promised for Delivery (Prior to and Including)	
	DTM02	373	**Date**	X DT 8/8
			Date expressed as CCYYMMDD	
			Supercedes Date in Header	

			Segment:	**ACK** Line Item Acknowledgment

Segment: **ACK** Line Item Acknowledgment
Position: 270
Loop: ACK   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
  1   If either ACK02 or ACK03 is present, then the other is required.
  2   If ACK04 is present, then ACK05 is required.
  3   If either ACK07 or ACK08 is present, then the other is required.
  4   If either ACK09 or ACK10 is present, then the other is required.
  5   If either ACK11 or ACK12 is present, then the other is required.
  6   If either ACK13 or ACK14 is present, then the other is required.
  7   If either ACK15 or ACK16 is present, then the other is required.
  8   If either ACK17 or ACK18 is present, then the other is required.
  9   If either ACK19 or ACK20 is present, then the other is required.
  10   If either ACK21 or ACK22 is present, then the other is required.
  11   If either ACK23 or ACK24 is present, then the other is required.
  12   If either ACK25 or ACK26 is present, then the other is required.
  13   If either ACK27 or ACK28 is present, then the other is required.
  14   If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
  1   ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes:

The ACKsegment if present falls after the DTM and will override delivery date DTM02 with same qualifiers if both are provided with promise date qualifiers. Three fields in the ACK segment are of interest to us. They are quantity, date qualifier and date.

INSTRUCTIONS FOR SPLIT DELIVERY ON A LINE
If acknowledging splitting a line, use Line Item Status Codes BP or IB for multiple delivery dates with associated quantitites. Only BP & IB will sum the ACK quantities for total order quantity. Otherwise, the last ACK02 quantity will be set to order quantity.
EXAMPLE:
PO1*5*200*EA*.0635**BP*99999BN
ACK*IB*100*EA*075*20070626
ACK*IB*100*EA*075*20070711

To reject a line or acknowledge a line cancel set ACK01 to 'ID'

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	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		
	ACK02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			This quantity will supercede the quantity in POC03		
	ACK03	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		
	ACK04	374	**Date/Time Qualifier**	O	ID 3/3
			Code specifying type of date or time, or both date and time		
			Access Business Group will recognize any one of these qualifiers to communicate promised delivery date. Other qualifiers will be ignored.		
		017	Estimated Delivery		
		067	Current Schedule Delivery		

<div style="text-align: right;">075   Promised for Delivery (Prior to and Including)</div>

ACK05   **373**   **Date**   **X   DT 8/8**

Date expressed as CCYYMMDD

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
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

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

	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)			
	Syntax Notes:					
	Semantic Notes:					
	Comments:		**1** SE is the last segment of each transaction set.			

Data Element Summary

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

810 Invoice

Introduction:

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

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	040	CUR	Currency	O	1		
			LOOP ID - N1			200	
	070	N1	Name	O	1		
	120	PER	Administrative Communications Contact	O	3		
M	130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1		
	140	DTM	Date/Time Reference	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	150	DTM	Date/Time Reference	O	10		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

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

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

Data Element Summary

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

			Segment:	**BIG** Beginning Segment for Invoice

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

Syntax Notes:
Semantic Notes:
  1 BIG01 is the invoice issue date.
  2 BIG03 is the date assigned by the purchaser to purchase order.
  3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:
  1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**BIG01**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
M	**BIG02**	**76**	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
M	**BIG04**	**324**	**Purchase Order Number**	**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			The purchase order number will be 3 to 10 characters long.		

Segment:	**CUR** Currency
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

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

Segment: # N1 Name

Position:	070
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment:	**PER** Administrative Communications Contact				

Segment: **PER** Administrative Communications Contact
Position: 120
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	PER01	366	**Contact Function Code**	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			BD	Buyer Name or Department	
			RE	Receiving Contact	
	PER02	93	**Name**	O	AN 1/60
			Free-form name		

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

Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1	ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD01	**336**	**Terms Type Code**	**O**	**ID 2/2**
		Code identifying type of payment terms		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
ITD02	**333**	**Terms Basis Date Code**	**O**	**ID 1/2**
		Code identifying the beginning of the terms period		
ITD03	**338**	**Terms Discount Percent**	**O**	**R 1/6**
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD05	**351**	**Terms Discount Days Due**	**X**	**N0 1/3**
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD07	**386**	**Terms Net Days**	**O**	**N0 1/3**
		Number of days until total invoice amount is due (discount not applicable)		
ITD12	**352**	**Description**	**O**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	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**	X	DT 8/8
			Date expressed as CCYYMMDD		

			Segment:	**IT1** Baseline Item Data (Invoice)

Segment: **IT1** Baseline Item Data (Invoice)
Position: 010
Loop: IT1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:
  1 If any of IT102 IT103 or IT104 is present, then all are required.
  2 If either IT106 or IT107 is present, then the other is required.
  3 If either IT108 or IT109 is present, then the other is required.
  4 If either IT110 or IT111 is present, then the other is required.
  5 If either IT112 or IT113 is present, then the other is required.
  6 If either IT114 or IT115 is present, then the other is required.
  7 If either IT116 or IT117 is present, then the other is required.
  8 If either IT118 or IT119 is present, then the other is required.
  9 If either IT120 or IT121 is present, then the other is required.
  10 If either IT122 or IT123 is present, then the other is required.
  11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:
  1 IT101 is the purchase order line item identification.
Comments:
  1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
  2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**IT101**	350	**Assigned Identification**	**M**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			This value MUST match what was sent on the 850 Purchase Order or the 860 Purchase Order Change.		
	IT102	358	**Quantity Invoiced**	**X**	**R 1/10**
			Number of units invoiced (supplier units)		
	IT103	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	IT104	212	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
	IT105	639	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	IT106	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

        BP   Buyer's Part Number
        IN   Buyer's Item Number
        VC   Vendor's (Seller's) Catalog Number
        VN   Vendor's (Seller's) Item Number
        VP   Vendor's (Seller's) Part Number

	Ref. Des.	Data Element	Name		Attributes
	IT107	234	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	IT108	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

		BP	Buyer's Part Number		
		IN	Buyer's Item Number		
		VC	Vendor's (Seller's) Catalog Number		
		VN	Vendor's (Seller's) Item Number		
		VP	Vendor's (Seller's) Part Number		

IT109   **234**   **Product/Service ID**   **X**   **AN 1/48**

Identifying number for a product or service

For Capital acquisitions, the serial number of the equipment should appear here.

IT110   **235**   **Product/Service ID Qualifier**   **X**   **ID 2/2**

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

		BC	Supplier Brand Code
		IN	Buyer's Item Number
		VC	Vendor's (Seller's) Catalog Number
		VN	Vendor's (Seller's) Item Number
		VP	Vendor's (Seller's) Part Number

IT111   **234**   **Product/Service ID**   **X**   **AN 1/48**

Identifying number for a product or service

Segment:		**DTM** Date/Time Reference			

Segment: **DTM** Date/Time Reference
Position: 150
Loop: IT1   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
            2   If DTM04 is present, then DTM03 is required.
            3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

<div align="center">

Data Element Summary

</div>

	Ref. Des.	Data Element	Name	Attributes	
M	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**	X	**DT 8/8**
			Date expressed as CCYYMMDD		
			Supercedes date in Header		

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information			
Position:	180			
Loop:	SAC	Optional		
Level:	Detail			
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			

Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
	8	If SAC16 is present, then SAC15 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7	SAC16 is used to identify the language being used in SAC15.
Comments:	1	SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			A	Allowance	
			C	Charge	
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			A470	Art Work	
			C230	Die Service Charge	
			C490	Drum Deposit	
			D240	Freight	
			D360	Goods and Services Tax Charge	
			D540	Hazardous Materials Handling Fee - Domestic	
			F180	Pallet	
			F430	Plating	
			G510	Returnable Container	
			G760	Set-up	

	H430	Storage		
	H540	Supplemental Items		
	H650	Tax - Excise Tax - Origin		
	H750	Tax - Sales Tax (State and Local)		
	H770	Tax - State Tax		
	H800	Tax - Value Added Tax (VAT)		
SAC05	**610**	**Amount**	**O**	**N2 1/15**
		Monetary amount		
SAC09	**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		
SAC10	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		

Segment:	**TDS** Total Monetary Value Summary				
Position:	010				
Loop:					
Level:	Summary				
Usage:	Mandatory				
Max Use:	1				
Purpose:	To specify the total invoice discounts and amounts				
Syntax Notes:					
Semantic Notes:	1	TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).			
	2	TDS02 indicates the amount upon which the terms discount amount is calculated.			
	3	TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).			
	4	TDS04 indicates the total amount of terms discount.			
Comments:	1	TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.			

Data Element Summary

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

Segment:	**CAD** Carrier Detail
Position:	030
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify transportation details for the transaction
Syntax Notes:	1 At least one of CAD05 or CAD04 is required.
	2 If CAD07 is present, then CAD08 is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
CAD04	**140**	**Standard Carrier Alpha Code**	**X**	**ID 2/4**
		Standard Carrier Alpha Code		
CAD05	**387**	**Routing**	**X**	**AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
CAD07	**128**	**Reference Identification Qualifier**	**O**	**ID 2/3**
		Code qualifying the Reference Identification		
		BM Bill of Lading Number		
CAD08	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

	Ref.	**Data**		
	Des.	**Element**	**Name**	**Attributes**

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
Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.
Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2 SAC05 is the total amount for the service, promotion, allowance, or charge.
   If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3 SAC08 is the allowance or charge rate per unit.
4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
   SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7 SAC16 is used to identify the language being used in SAC15.
Comments:
1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	**Data Element**	**Name**	**Attributes**	
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1

Code which indicates an allowance or charge for the service specified

A		Allowance
C		Charge

	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4

Code identifying the service, promotion, allowance, or charge

A470		Art Work
C230		Die Service Charge
C490		Drum Deposit
D240		Freight
D360		Goods and Services Tax Charge
D540		Hazardous Materials Handling Fee - Domestic
F180		Pallet
F430		Plating
G510		Returnable Container
G760		Set-up

	H430	Storage		
	H540	Supplemental Items		
	H650	Tax - Excise Tax - Origin		
	H750	Tax - Sales Tax (State and Local)		
	H770	Tax - State Tax		
	H800	Tax - Value Added Tax (VAT)		
SAC05	**610**	**Amount**	**O**	**N2 1/15**
		Monetary amount		

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

Data Element Summary

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

				Segment:	**SE** Transaction Set Trailer

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

Syntax Notes:
Semantic Notes:
Comments: 1   SE is the last segment of each transaction set.

Data Element Summary

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

824 Application Advice

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection or acceptance with change of any transaction set. The Application Advice should not be used in place of a transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
	030	N1	Name	O	1		
	080	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - OTI			>1	
M	010	OTI	Original Transaction Identification	M	1		n1
			LOOP ID - TED			>1	
	070	TED	Technical Error Description	O	1		
M	090	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1.   The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.

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

Data Element Summary

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

Segment:	**BGN** Beginning Segment			
Position:	020			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the beginning of a transaction set			

Syntax Notes:
1. If BGN05 is present, then BGN04 is required.

Semantic Notes:
1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BGN01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			44 Rejection		
M	BGN02	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Invoice Number		
M	BGN03	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
	BGN04	337	**Time**	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
	BGN06	127	**Reference Identification**	O	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			ISA Control Number		
	BGN08	306	**Action Code**	O	ID 1/2
			Code indicating type of action		
			U Reject		
			Inability to accept for processing due to the lack of required information		

Segment:	**N1** Name
Position:	030
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			PR Payer		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Access Business Group		

			Segment:	**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact
Position: 080
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1   If either PER03 or PER04 is present, then the other is required.
         2   If either PER05 or PER06 is present, then the other is required.
         3   If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	PER01	366	**Contact Function Code**	M	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
	PER02	93	**Name**	O	**AN 1/60**
			Free-form name		
	PER03	365	**Communication Number Qualifier**	X	**ID 2/2**
			Code identifying the type of communication number		
	PER04	364	**Communication Number**	X	**AN 1/80**
			Complete communications number including country or area code when applicable		

			Segment:	**OTI** Original Transaction Identification

Segment: **OTI** Original Transaction Identification
Position: 010
Loop: OTI   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result
Syntax Notes: **1** If OTI09 is present, then OTI08 is required.
Semantic Notes: **1** OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.
    2 OTI06 is the group date.
    3 OTI07 is the group time.
    4 If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.
    5 OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.
    6 OTI13 is the type of the original transaction set, and is used to assist in its unique identification.
    7 OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.
    8 OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.
    9 OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.
    10 OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.
Comments: **1** OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.
    2 If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.
    3 If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
M	OTI01	110	**Application Acknowledgment Code**	**M**	**ID 1/2**
			Code indicating the application system edit results of the business data		
			TR Transaction Set Reject		
M	OTI02	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			OI Original Invoice Number		
M	OTI03	127	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Invoice number being rejected		
	OTI04	142	**Application Sender's Code**	**O**	**AN 2/15**
			Code identifying party sending transmission; codes agreed to by trading partners		
	OTI05	124	**Application Receiver's Code**	**O**	**AN 2/15**
			Code identifying party receiving transmission; codes agreed to by trading partners		
	OTI06	373	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		

OTI08	**28**	**Group Control Number**	**X**	**N0 1/9**
		Assigned number originated and maintained by the sender		
OTI09	**329**	**Transaction Set Control Number**	**O**	**AN 4/9**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
OTI10	**143**	**Transaction Set Identifier Code**	**O**	**ID 3/3**
		Code uniquely identifying a Transaction Set		

Segment:	**TED** Technical Error Description
Position:	070
Loop:	TED Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify the error and, if feasible, the erroneous segment, or data element, or both
Syntax Notes:	
Semantic Notes:	
Comments:	1 If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	TED01	647	**Application Error Condition Code**	M ID 1/3

Code indicating application error condition

006	Duplicate
010	Total Out of Balance
026	Customer Identification Number is Invalid
848	Incorrect Data
	May refer to a mismatch of invoice line items with purchase order line items
ICG	Invalid Charge Allowance Qualifier
	The Charge Allowance Qualifier (DE538) reported is invalid
POI	Purchase Order Number Invalid

	Ref. Des.	Data Element	Name	Attributes
	TED02	3	**Free Form Message**	O AN 1/60

Free-form text

Segment: **SE** **Transaction Set Trailer**
Position: 090
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1   SE is the last segment of each transaction set.

Data Element Summary

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