Case 12-M-0476 NY EDI X12 Ver/Rel 4010 Transaction Set Alternative

The purpose of this document is to propose an alternative EDI X12 Ver/Rel 4010 transaction technical solution, currently under consideration by the TWG. This document will go into the reason why we should not use the current 867HU transaction. It will also explain the advantages of using the new **503** Pricing History transaction set to provide the information required, paired with a new **814** Pricing Information request transaction set.

The current approach incorrectly uses the 867 Product Transfer and Resale Report transaction set, this 867HU transaction was originally design to communicate usage. The 867HU is commonly understood across multiple public commissions as being used for this sole purpose. Case 12-M-0476 is currently seeking pricing information and perhaps pricing history information.

Here are the risks and issues in using the X12 Ver/Rel 4010 867HU to provide pricing information:

- It'll change the original purpose of the transaction.
- The NY 867HU won't be consistent with other public commissions.
- It'll weight down the transaction with complexity.
- IT system risk will be introduced into the LDC and ESCO systems during go live.
- More IT system risk will be taken by LDC and ESCO operating in multiple public commissions.
- The size, speed, and timing of the return of the pricing information as well as the historical usage information will be impacted by the pairing of data required.
- Some ESCO just need the pricing information and has no need for the historical usage information. This approach will require the ESCO to handle the extra data and perhaps cost associated with it.

Currently, the TWG has defined REF and QTY segments in the 867HU transaction set. The 503 transaction set has all these segments available. The 503 can be a stand along transaction set or it to be paired with a new 814 transaction set, to be consistent with the current NY EDI transactions.

For example, to get a customer's pricing data an ESCO can submit an 814P request with or without Pricing History to the LDC. The LDC can accept or reject the 814P request with a response. If the LDC accepts the 814P, then a 503P would be sent with the customer's pricing data and with or without Price History.

The naming and functional use of these proposed transaction sets are open for review and further refinement.

503 Pricing History

Functional Group ID=PH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Pricing History Transaction Set (503) for use within the context of an Electronic Data Interchange (EDI) environment. This bi-directional transaction set can be used by a purchasing party or vendor to request pricing history information for an item. The transaction set can also be used to respond to a request for pricing history information.

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		
	040	N2	Additional Name Information	O	2		
	050	N3	Address Information	O	2		
	060	N4	Geographic Location	O	1		
	070	REF	Reference Identification	O	>1		
	080	PER	Administrative Communications Contact	O	>1		
	090	DTM	Date/Time Reference	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
	010	LIN	Item Identification	O	1		
	020	PID	Product/Item Description	O	>1		
	030	QTY	Quantity	O	>1		
	040	AMT	Monetary Amount	O	>1		
	050	PCT	Percent Amounts	O	>1		
	060	REF	Reference Identification	O	>1		
			LOOP ID - LM			>1	
	070	LM	Code Source Information	O	1		
M	080	LQ	Industry Code	M	>1		
	090	LS	Loop Header	O	1		
			LOOP ID - QTY			>1	
	100	QTY	Quantity	O	1		n1
	110	AMT	Monetary Amount	O	>1		
	120	REF	Reference Identification	O	>1		

	130	DTM	Date/Time Reference	O	>1	
	140	NTE	Note/Special Instruction	O	>1	
			LOOP ID - LM			>1
	150	LM	Code Source Information	O	1	
M	160	LQ	Industry Code	M	>1	
			LOOP ID - N1			>1
	170	N1	Name	O	1	
	180	N2	Additional Name Information	O	2	
	190	N3	Address Information	O	2	
	200	N4	Geographic Location	O	1	
	210	REF	Reference Identification	O	>1	
	220	PER	Administrative Communications Contact	O	>1	
	230	DTM	Date/Time Reference	O	>1	
	240	CS	Contract Summary	O	>1	
	250	FOB	F.O.B. Related Instructions	O	>1	
			LOOP ID - LM			>1
	260	LM	Code Source Information	O	1	
M	270	LQ	Industry Code	M	>1	
	280	LE	Loop Trailer	O	1	
M	290	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. The QTY loop can be used to convey pricing information when multiple quantities of the cited item were purchased.

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** Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Segment: **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** Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
M	**BGN02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**
M	**BGN03**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**
	BGN04	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
	BGN05	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	BGN06	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**O AN 1/30**
	BGN07	**640**	**Transaction Type Code**	**O ID 2/2**

Code specifying the type of transaction

Refer to 004010 Data Element Dictionary for acceptable code values.

BGN08	**306**	**Action Code**	**O**	**ID 1/2**

Code indicating type of action

Refer to 004010 Data Element Dictionary for acceptable code values.

BGN09	**786**	**Security Level Code**	**O**	**ID 2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Refer to 004010 Data Element Dictionary for acceptable code values.

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** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	N102	**93**	**Name** Free-form name	**X AN 1/60**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**
	N105	**706**	**Entity Relationship Code** Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	N106	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**

Segment: **N2** **Additional Name Information**
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name** Free-form name	**M**	**AN 1/60**
	N202	**93**	**Name** Free-form name	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 050
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** Address information	**M AN 1/55**
	N302	**166**	**Address Information** Address information	**O AN 1/55**

Segment: **N4** **Geographic Location**
Position: 060
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** Free-form text for city name	**O AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**
N405	**309**	**Location Qualifier** Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
N406	**310**	**Location Identifier** Code which identifies a specific location	**O AN 1/30**

Segment: **REF** **Reference Identification**
Position: 070
Loop: N1 Optional
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** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
	REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**
M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**
	C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	C04005	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X ID 2/3**

Refer to 004010 Data Element Dictionary for acceptable code values.

C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **PER** **Administrative Communications Contact**
Position: 080
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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	PER02	**93**	**Name** Free-form name	**O AN 1/60**
	PER03	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER04	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER05	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER06	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER07	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER08	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER09	**443**	**Contact Inquiry Reference**	**O AN 1/20**

Additional reference number or description to clarify a contact number

Segment: **DTM** **Date/Time Reference**
Position: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
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** Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
	DTM04	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	DTM05	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	DTM06	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **LIN** **Item Identification**
Position: 010
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:
1 LIN01 is the line item identification
Comments:
1 See the Data Dictionary for a complete list of IDs.
2 LIN02 through LIN31 provide for fifteen 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	
	LIN01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**AN 1/20**
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	LIN05	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

LIN06	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN07	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN08	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN09	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN10	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN11	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN12	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN13	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN14	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN15	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN16	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN17	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN18	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN19	**234**	**Product/Service ID**	**X**	**AN 1/48**

		Identifying number for a product or service		
LIN20	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN21	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN22	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN23	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN24	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN25	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN26	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN27	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN28	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN29	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
LIN30	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN31	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		

Segment: **PID** **Product/Item Description**
Position: 020
Loop: LIN 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** Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/1**
	PID02	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**
	PID03	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PID04	**751**	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic	**X AN 1/12**
	PID05	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
	PID06	**752**	**Surface/Layer/Position Code**	**O ID 2/2**

		Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.		
PID07	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O**	**AN 1/15**
PID08	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
PID09	**819**	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	**O**	**ID 2/3**

Segment: **QTY** **Quantity**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	QTY02	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
	QTY03	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	C00102	**1018**	**Exponent** Power to which a unit is raised	**O R 1/15**
	C00103	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O R 1/10**
	C00104	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	C00105	**1018**	**Exponent** Power to which a unit is raised	**O R 1/15**
	C00106	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O R 1/10**
	C00107	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O ID 2/2**

		Refer to 004010 Data Element Dictionary for acceptable code values.		
C00108	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00109	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
C00110	**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.		
C00111	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00112	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
C00113	**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.		
C00114	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00115	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
QTY04	**61**	**Free-Form Message**	**X**	**AN 1/30**
		Free-form information		

Segment: **AMT** **Monetary Amount**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/3**
M	**AMT02**	**782**	**Monetary Amount** Monetary amount	**M R 1/18**
	AMT03	**478**	**Credit/Debit Flag Code** Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/1**

Segment: **PCT** **Percent Amounts**
Position: 050
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To qualify percent amounts and supply percent amounts
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PCT01**	**1004**	**Percent Qualifier** Code to qualify percent Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/2**
M	**PCT02**	**954**	**Percent** Percentage expressed as a decimal	**M R 1/10**

Segment: **REF** **Reference Identification**
Position: 060
Loop: LIN 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** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
	REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**
M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**
	C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	C04005	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X ID 2/3**

Refer to 004010 Data Element Dictionary for acceptable code values.

C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **LM** **Code Source Information**
Position: 070
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: **1** LM02 identifies the applicable industry code list source information.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LM01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	LM02	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O AN 1/15**

Segment: **LQ** **Industry Code**
Position: 080
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: **1** If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/3**
LQ02	**1271**	**Industry Code** Code indicating a code from a specific industry code list	**X AN 1/30**

Segment: **LS** **Loop Header**
Position: 090
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the next segment begins a loop
Syntax Notes:
Semantic Notes: **1** One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: **1** See Figures Appendix for an explanation of the use of the LS and LE segments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LS01**	**447**	**Loop Identifier Code** The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	**M AN 1/6**

Segment: **QTY** **Quantity**
Position: 100
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	QTY02	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
	QTY03	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	C00102	**1018**	**Exponent** Power to which a unit is raised	**O R 1/15**
	C00103	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O R 1/10**
	C00104	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	C00105	**1018**	**Exponent** Power to which a unit is raised	**O R 1/15**
	C00106	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O R 1/10**
	C00107	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O ID 2/2**

		Refer to 004010 Data Element Dictionary for acceptable code values.		
C00108	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00109	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
C00110	**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.		
C00111	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00112	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
C00113	**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.		
C00114	**1018**	**Exponent**	**O**	**R 1/15**
		Power to which a unit is raised		
C00115	**649**	**Multiplier**	**O**	**R 1/10**
		Value to be used as a multiplier to obtain a new value		
QTY04	**61**	**Free-Form Message**	**X**	**AN 1/30**
		Free-form information		

Segment: **AMT** **Monetary Amount**
Position: 110
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/3**
M	**AMT02**	**782**	**Monetary Amount** Monetary amount	**M R 1/18**
	AMT03	**478**	**Credit/Debit Flag Code** Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/1**

Segment: **REF** **Reference Identification**
Position: 120
Loop: QTY 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** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
	REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**
M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**
	C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	C04005	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X ID 2/3**

Refer to 004010 Data Element Dictionary for acceptable code values.

C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **DTM** **Date/Time Reference**
Position: 130
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: >1
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** Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
	DTM04	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	DTM05	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	DTM06	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **NTE** **Note/Special Instruction**
Position: 140
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	NTE01	**363**	**Note Reference Code** Code identifying the functional area or purpose for which the note applies Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 3/3**
M	**NTE02**	**352**	**Description** A free-form description to clarify the related data elements and their content	**M AN 1/80**

Segment: **LM** **Code Source Information**
Position: 150
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: **1** LM02 identifies the applicable industry code list source information.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LM01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	LM02	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O AN 1/15**

Segment: **LQ** **Industry Code**
Position: 160
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: **1** If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/3**
LQ02	**1271**	**Industry Code** Code indicating a code from a specific industry code list	**X AN 1/30**

Segment: **N1** **Name**
Position: 170
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	N102	**93**	**Name** Free-form name	**X AN 1/60**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**
	N105	**706**	**Entity Relationship Code** Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	N106	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**

Segment: **N2** **Additional Name Information**
Position: 180
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name** Free-form name	**M**	**AN 1/60**
	N202	**93**	**Name** Free-form name	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 190
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** Address information	**M AN 1/55**
	N302	**166**	**Address Information** Address information	**O AN 1/55**

Segment: **N4** **Geographic Location**
Position: 200
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** Free-form text for city name	**O AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**
N405	**309**	**Location Qualifier** Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
N406	**310**	**Location Identifier** Code which identifies a specific location	**O AN 1/30**

Segment: **REF** **Reference Identification**
Position: 210
Loop: N1 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** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
	REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**
M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**
	C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
	C04005	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X ID 2/3**

Refer to 004010 Data Element Dictionary for acceptable code values.

C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **PER** **Administrative Communications Contact**
Position: 220
Loop: N1 Optional
Level: Detail
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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	PER02	**93**	**Name** Free-form name	**O AN 1/60**
	PER03	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER04	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER05	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER06	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER07	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	PER08	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
	PER09	**443**	**Contact Inquiry Reference**	**O AN 1/20**

Additional reference number or description to clarify a contact number

Segment: **DTM** **Date/Time Reference**
Position: 230
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
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** Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
	DTM04	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	DTM05	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	DTM06	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **CS** **Contract Summary**
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide information about a contract
Syntax Notes:
1 If either CS04 or CS05 is present, then the other is required.
Semantic Notes:
1 CS09 is the permissible overage as a percentage of the total contract line item number (CLIN) quantity.
2 CS10 is the permissible shortage as a percentage of the total contract line item number (CLIN) quantity.
3 CS11 is the permissible overage dollar value specified by the contract above which discrepancy action is taken.
4 CS14 is the Unit of Measure stipulated in the contract.
5 CS15 is the contract line item number (CLIN) unit price specified in the contract.
6 CS17 conveys the Critical Application Indicator. A "Y" indicates that a Critical Application Indicator is specified in the contract; an "N" indicates that no Critical Application Indicator is specified in the contract.
7 CS18 conveys the Special Requirements Indicator. A "Y" indicates that a Special Requirements Indicator (requiring special testing and or evaluation) is specified in the contract; an "N" indicates that no Special Requirements Indicator is specified in the contract.
Comments:
1 CS04 may be used to identify the Contract Line Item Number (CLIN) or Extended (or Exhibit) Line Item Number (ELIN).
2 CS07 and CS13 can be used to indicate two different types of special services required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CS01	**367**	**Contract Number** Contract number	**O AN 1/30**
CS02	**327**	**Change Order Sequence Number** Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	**O AN 1/8**
CS03	**328**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	**O AN 1/30**
CS04	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
CS05	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as	**X AN 1/30**

		specified by the Reference Identification Qualifier		
CS06	**324**	**Purchase Order Number**	**O**	**AN 1/22**
		Identifying number for Purchase Order assigned by the orderer/purchaser		
CS07	**560**	**Special Services Code**	**O**	**ID 2/10**
		Code identifying the special service		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS08	**433**	**F.O.B. Point Code**	**O**	**ID 2/2**
		Code identifying type of F.O.B. point		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS09	**954**	**Percent**	**O**	**R 1/10**
		Percentage expressed as a decimal		
CS10	**954**	**Percent**	**O**	**R 1/10**
		Percentage expressed as a decimal		
CS11	**782**	**Monetary Amount**	**O**	**R 1/18**
		Monetary amount		
CS12	**336**	**Terms Type Code**	**O**	**ID 2/2**
		Code identifying type of payment terms		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS13	**560**	**Special Services Code**	**O**	**ID 2/10**
		Code identifying the special service		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS14	**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.		
CS15	**212**	**Unit Price**	**O**	**R 1/17**
		Price per unit of product, service, commodity, etc.		
CS16	**336**	**Terms Type Code**	**O**	**ID 2/2**
		Code identifying type of payment terms		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS17	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**
		Code indicating a Yes or No condition or response		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
CS18	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**
		Code indicating a Yes or No condition or response		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **FOB** **F.O.B. Related Instructions**
Position: 250
Loop: N1 Optional
Level: Detail
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** Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	FOB02	**309**	**Location Qualifier** Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
	FOB03	**352**	**Description** A free-form description to clarify the related data elements and their content	**O AN 1/80**
	FOB04	**334**	**Transportation Terms Qualifier Code** Code identifying the source of the transportation terms Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	FOB05	**335**	**Transportation Terms Code** Code identifying the trade terms which apply to the shipment transportation responsibility Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 3/3**
	FOB06	**309**	**Location Qualifier** Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/2**
	FOB07	**352**	**Description** A free-form description to clarify the related data elements and their	**O AN 1/80**

content

FOB08	**54**	**Risk of Loss Code** Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
FOB09	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

Segment: **LM** **Code Source Information**
Position: 260
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: **1** LM02 identifies the applicable industry code list source information.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LM01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	LM02	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O AN 1/15**

Segment: **LQ** **Industry Code**
Position: 270
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: **1** If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/3**
LQ02	**1271**	**Industry Code** Code indicating a code from a specific industry code list	**X AN 1/30**

Segment: **LE** **Loop Trailer**
Position: 280
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the loop immediately preceding this segment is complete
Syntax Notes:
Semantic Notes: **1** One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: **1** See Figures Appendix for an explanation of the use of the LE and LS segments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LE01**	**447**	**Loop Identifier Code** The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	**M AN 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 290
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** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**