

# 845

## Price Authorization Acknowledgment/Status

Functional Group=**PA**

This Draft Standard for Trial Use contains the format and establishes the data content of the Price Authorization Acknowledgment/Status Transaction Set (845) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a vendor or manufacturer to transmit specific data relative to the status of or changes to outstanding price authorizations.

Typical data from Abbott Nutrition might look like this:

```

ISA*01*9251210008*00*0000000000*08*9251210008  *01*007941230  *020814*1155*U*00303*000000003*0*T*>~
GS*PA*9251210008*0000000000*020814*1155*2*X*004010~
ST*845*000000003~
BPA*04*20020812*CT*01041004~
DTM*124*20001101~
DTM*125*20050930~
DTM*126*20001101~
DTM*127*20050930~
N1*SU*ABBOTT*ZZ*50325067~
N1*BG*VHA GRANDFATHERED HOME CARE~
N1*DS*TEST DISTRIBUTOR*91*55555555~
REF*CT*01041004*Contract Description~
PER*CD*Contract Admin*TE*8009868416~
CON*VC*01041004*OC~
REF*ZZ**Message~
DTM*092*20001101~
DTM*093*20050930~
CTT*1~
SE*17*000000003~
ST*845*000000004~
BPA*04*20020812*CT*01041029~
DTM*124*20021001~
DTM*125*20050930~
DTM*126*20021001~
DTM*127*20050930~
N1*SU*ABBOTT*ZZ*50325067~
N1*BG*NOVATION AC IDN COMMITTED~
N1*DS* TEST DISTRIBUTOR*91*55555555~
REF*CT*01041029~
PER*CD*Contract Admin*TE*8009868416~
CON*VC*01041029*OC~
DTM*092*20021001~
DTM*093*20050930~
N1*EB*UNION MEML HOSP*21*320320AEZ~
N3*201 E UNIVERSITY PKWY~
N4*BALTIMORE*MD*21218~
DTM*129*20021001~
DTM*130*20050930~
N1*EB*MAYO CLNC FNDTN*21*03BPFQ8EZ~
N3*221 4TH AVE SW~
N4*ROCHESTER*MN*55905~
DTM*129*20021001~
DTM*130*20050930~
CTT*1~
SE*26*000000004~
ST*845*000000001~
BPA*04*20020812*CT*01039024~

```

DTM\*124\*20010101~  
 DTM\*125\*20031231~  
 DTM\*126\*20010101~  
 DTM\*127\*20031231~  
 N1\*SU\*ABBOTT\*ZZ\*50325067~  
 N1\*BG\*ST OF LA/PELICAN NUTRITIONALS~  
 N1\*DS\*TEST DISTRIBUTOR\*91\*55555555~  
 REF\*CT\*01039024~  
 PER\*CD\*Contract Admin\*TE\*8009868416~  
 CON\*VC\*01039024\*OC~  
 DTM\*092\*20010101~  
 DTM\*093\*20031231~  
 PAD\*000001\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*43.2\*CT~  
 SSS\*A\*ZZ\*ZZ\*\*\*\$0.75/CASE~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000001\*N4\*70074051305~  
 PAD\*000002\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*43.2\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000002\*N4\*70074052453~  
 PAD\*000003\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*26.46\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000003\*N4\*70074054777~  
 PAD\*000004\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*26.46\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000004\*N4\*70074054780~  
 PAD\*000005\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*45.00\*WH~  
 UIT\*UN\*32.04\*CT~  
 UIT\*UN\*31.04\*NT~  
 SSS\*A\*ZZ\*ZZ\*\*\*12%~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000005\*N4\*70074056003~  
 PAD\*000006\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*32.04\*CT~  
 SSS\*A\*ZZ\*ZZ\*\*\*\$1.50/CASE~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000006\*N4\*70074056006~  
 PAD\*000007\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*32.04\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000007\*N4\*70074056009~  
 PAD\*000008\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*32.04\*CT~  
 DTM\*131\*20020813~

DTM\*132\*20031231~  
 LIN\*000008\*N4\*70074056012~  
 PAD\*000009\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*21.24\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000009\*N4\*70074056959~  
 PAD\*000010\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*21.24\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000010\*N4\*70074056962~  
 PAD\*000011\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*28.56\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000011\*N4\*70074056965~  
 PAD\*000012\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*28.56\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000012\*N4\*70074056968~  
 PAD\*000013\*\*AI~  
 PID\*F\*\*\*Product Description~  
 UIT\*UN\*21.24\*CT~  
 DTM\*131\*20020813~  
 DTM\*132\*20031231~  
 LIN\*000013\*N4\*70074057011~  
 CTT\*1~  
 SE\*100\*000000001~  
 GE\*3\*2~  
 IEA\*1\*000000003~

**Notes:**

3/010 Number of line items (CTT01) is the accumulation of the number of CON segments. If used, hash total (CTT02) is the sum of the quantities (QTY02) for each QTY segment.

**User Note 1:** *There are at least three types of 845's which could be sent by Abbott Nutrition.*

1. *A change in the status or effective dates of a whole contract, accompanied by a message explaining the change.*
2. *An add, change or delete of an end-user to a contract.*
3. *An add, change or delete of specific items on a contract.*

**Not Defined:**

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

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BPA	Beginning Segment for Price Authorization Acknowledgment/Status	M	1			Must use

060	DTM	Date/Time Reference	O	10		Used
<b>LOOP ID - N1</b>					<b>10000</b>	
070	N1	Name	O	1		Used
110	REF	Reference Identification	O	12		Used
120	PER	Administrative Communications Contact	O	3		Used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - CON</b>					<b>10000</b>		
010	CON	Contract Number Detail	M	1			Must use
020	REF	Reference Identification	O	12			Used
040	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - N1</b>					<b>10000</b>		
050	N1	Name	O	1			Used
070	N3	Address Information	O	2			Used
080	N4	Geographic Location	O	1			Used
110	DTM	Date/Time Reference	O	2			Used
<b>LOOP ID - PAD</b>					<b>&gt;1</b>		
120	PAD	Product Adjustment Detail	O	1			Used
140	PID	Product/Item Description	O	200			Used
160	UIT	Unit Detail	O	20			Used
200	SSS	Special Services	O	1			Used
220	DTM	Date/Time Reference	O	2			Used
<b>LOOP ID - LIN</b>					<b>1</b>		
230	LIN	Item Identification	O	1			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	M	1		N3/010	Must use
020	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

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

# ISA Interchange Control Header

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

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information <u>Code</u> <u>Name</u> 01            UCS Communications ID	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information <u>Code</u> <u>Name</u> 00            No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 08            UCC EDI Communications ID (Comm ID)	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 01            Duns (Dun & Bradstreet)	M	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this	M	AN	15/15	Must use

as a receiving ID to route data to them

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> This version number covers the interchange control segments	M	ID	5/5	Must use
		<b>Code</b> <b>Name</b> 00303            Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1992				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1	Must use
		<b>Code</b> <b>Name</b> 0                 No Acknowledgment Requested				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use
		<b>Code</b> <b>Name</b> T                 Test Data				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M	AN	1/1	Must use

# GS Functional Group Header

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

**User Option (Usage):** Used

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

**Semantics:**

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

**Comments:**

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

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> PA                    Price Authorization Acknowledgment/Status (845)				
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u> X                    Accredited Standards Committee X12				
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in	M	AN	1/12	Must use

DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

<u>Code</u>	<u>Name</u>
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

**ST Transaction Set Header**

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

**User Option (Usage):** Must use

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

**Semantics:**

- The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b> 845                Price Authorization Acknowledgment/Status				
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

# BPA Beginning Segment for Price Authorization Acknowledgment/Status

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

**User Option (Usage):** Must use

To identify the beginning of a Price Authorization Acknowledgment/Status Transaction Set

## Syntax:

1. P0304 - If either BPA03,BPA04 is present, then all are required

## Semantics:

1. BPA02 is the price authorization status date.
2. BPA05 is the price authorization status time.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BPA01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set	M	ID	2/2	Must use
		<b>Code</b> <b>Name</b>				
		00      Original				
		02      Add				
		03      Delete				
		04      Change				
<b>Ref</b>	<b>Id</b>	<b>Element Name</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>
BPA02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BPA03	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	X	ID	2/3	Used
		<b>Code</b> <b>Name</b>				
		CT      Contract Number				
<b>Ref</b>	<b>Id</b>	<b>Element Name</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>
BPA04	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
		<b>User Note 1:</b> <i>This will be the Abbott Nutrition contract number.</i>				

# DTM Date/Time Reference

Pos: 060	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b>				
		124            Group Contract Effective				
		125            Group Contract Expiration				
		126            Wholesale Contract Effective				
		127            Wholesale Contract Expiration				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	X	DT	8/8	Used

# Loop N1

Pos: 070	Repeat: 10000
Optional	
Loop: N1	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
110	REF	Reference Identification	O	12		Used
120	PER	Administrative Communications Contact	O	3		Used

**N1****Name**

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

**Syntax:**

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

**Comments:**

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

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use
		<b>Code</b> <b>Name</b>				
		BG                Buying Group				
		DS                Distributor				
		SU                Supplier/Manufacturer				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N102	93	<b>Name</b> <b>Description:</b> Free-form name	X	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2	Used
		<b>Code</b> <b>Name</b>				
		11                Drug Enforcement Administration (DEA)				
		21                Health Industry Number (HIN)				
		91                Assigned by Seller or Seller's Agent				
		92                Assigned by Buyer or Buyer's Agent				
		ZZ                Mutually Defined				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Used

# REF Reference Identification

Pos: 110	Max: 12
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To specify identifying information

## Syntax:

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

## Semantics:

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

**User Note 1:** REF03 will contain the contract description

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use
		<b>Code</b> <b>Name</b> CT              Contract Number				
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

**User Note 1:** REF03 will contain the contract description.

# PER Administrative Communications Contact

Pos: 120	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

## Syntax:

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

## Element Summary:

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

# Loop CON

Pos: 010	Repeat: 10000
Mandatory	
Loop: CON	Elements: N/A

To specify contract or reference number and status

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CON	Contract Number Detail	M	1		Must use
020	REF	Reference Identification	O	12		Used
040	DTM	Date/Time Reference	O	10		Used
050		Loop N1	O		10000	Used
120		Loop PAD	O		>1	Used



# REF Reference Identification

Pos: 020	Max: 12
Detail - Optional	
Loop: CON	Elements: 2

**User Option (Usage):** Used

To specify identifying information

## Syntax:

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

## Semantics:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use
		<b>Code</b> <b>Name</b> ZZ                    Mutually Defined				
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used
		<b>User Note 1:</b> <i>This will contain a textual message, if there is a message present in the application data.</i>				

# DTM Date/Time Reference

Pos: 040	Max: 10
Detail - Optional	
Loop: CON	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b>				
		092                Contract Effective				
		093                Contract Expiration				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	X	DT	8/8	Used

# Loop N1

Pos: 050	Repeat: 10000
Optional	
Loop: N1	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	N1	Name	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used
110	DTM	Date/Time Reference	O	2		Used

# N1

## Name

Pos: 050	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

### Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

### Comments:

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use
		<b>Code</b> <b>Name</b> EB                    Eligible Party To The Contract				
N102	93	<b>Name</b> <b>Description:</b> Free-form name	X	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2	Used
		<b>Code</b> <b>Name</b> 11                    Drug Enforcement Administration (DEA) 21                    Health Industry Number (HIN) 91                    Assigned by Seller or Seller's Agent 92                    Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Used

# N3

## Address Information

Pos: 070	Max: 2
Detail - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

To specify the location of the named party

### Element Summary:

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

# N4 Geographic Location

Pos: 080	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To specify the geographic place of the named party

## Syntax:

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

## Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

## Element Summary:

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

# DTM Date/Time Reference

Pos: 110	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b>				
		129          Customer Contract Effective				
		130          Customer Contract Expiration				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	X	DT	8/8	Used

# Loop PAD

Pos: 120	Repeat: >1
Optional	
Loop: PAD	Elements: N/A

To specify the product transfer type, and/or line item number

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
120	PAD	Product Adjustment Detail	O	1		Used
140	PID	Product/Item Description	O	200		Used
160	UIT	Unit Detail	O	20		Used
200	SSS	Special Services	O	1		Used
220	DTM	Date/Time Reference	O	2		Used
230		Loop LIN	O		1	Used

# PAD Product Adjustment Detail

Pos: 120	Max: 1
Detail - Optional	
Loop: PAD	Elements: 2

**User Option (Usage):** Used

To specify the product transfer type, and/or line item number

## Syntax:

1. R0102 - At least one of PAD01,PAD02 is required
2. P0405 - If either PAD04,PAD05 is present, then all are required

## Semantics:

1. PAD01 is the line item identification.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PAD01	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	X	AN	1/20	Used
PAD03	670	<b>Change or Response Type Code</b> <b>Description:</b> Code specifying the type of change to the line item	O	ID	2/2	Used
		<b><u>Code</u></b> <b><u>Name</u></b>				
		AI                    Add Additional Item(s)				
		CA                    Changes To Line Items				
		DI                    Delete Item(s)				
		PC                    Price Change				

# PID Product/Item Description

Pos: 140	Max: 200
Detail - Optional	
Loop: PAD	Elements: 2

User Option (Usage): Used

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

## Syntax:

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

## Semantics:

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

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u>				
		F              Free-form				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

This will contain the product description.

# UIT

## Unit Detail

Pos: 160	Max: 20
Detail - Optional	
Loop: PAD	Elements: 3

User Option (Usage): Used

To specify item unit data

### Syntax:

1. C0302 - If UIT03 is present, then all of UIT02 are required

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
UIT01	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use) <b>User Note 1:</b> <i>For the web, UIT01 will always be CA</i>	M	Comp		Must use								
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Must use								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>UN</td> <td>Unit</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	UN	Unit								
<u>Code</u>	<u>Name</u>													
UN	Unit													
UIT02	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	X	R	1/17	Used								
UIT03	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item	O	ID	2/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CT</td> <td>Contract</td> </tr> <tr> <td>NT</td> <td>Net</td> </tr> <tr> <td>WH</td> <td>Wholesale</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CT	Contract	NT	Net	WH	Wholesale				
<u>Code</u>	<u>Name</u>													
CT	Contract													
NT	Net													
WH	Wholesale													

# SSS Special Services

Pos: 200	Max: 1
Detail - Optional	
Loop: PAD	Elements: 4

User Option (Usage): Used

To specify special conditions or services associated with the purchased product

### Semantics:

1. SSS06 indicates the total dollar amount for the allowance or charge.

### Comments:

1. SSS02 identifies the source of the code value in SSS03.
2. SSS07 (description) is normally used to clarify or expand on the services to be provided.
3. SSS09 specifies the individual code list of the agency specified in SSS02.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SSS01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified <u>Code</u> <u>Name</u> A              Allowance	M	ID	1/1	Must use
SSS02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values <u>Code</u> <u>Name</u> ZZ            Mutually Defined	M	ID	2/2	Must use
SSS03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service <u>Code</u> <u>Name</u> ZZ            Mutually Defined	M	ID	2/10	Must use
SSS07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content <b>User Note 1:</b> SSS07 will be the service fee as text. Here are two examples:  \$0.75/CASE  12%	O	AN	1/80	Used

# DTM Date/Time Reference

Pos: 220	Max: 2
Detail - Optional	
Loop: PAD	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b>				
		131          Item Contract Effective				
		132          Item Contract Expiration				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	X	DT	8/8	Used

# Loop LIN

Pos: 230	Repeat: 1
	Optional
Loop: LIN	Elements: N/A

To specify basic item identification data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
230	LIN	Item Identification	O	1		Used

# LIN Item Identification

Pos: 230	Max: 1
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

To specify basic item identification data

## Syntax:

1. P0405 - If either LIN04,LIN05 is present, then all are required
2. P0607 - If either LIN06,LIN07 is present, then all are required
3. P0809 - If either LIN08,LIN09 is present, then all are required
4. P1011 - If either LIN10,LIN11 is present, then all are required
5. P1213 - If either LIN12,LIN13 is present, then all are required
6. P1415 - If either LIN14,LIN15 is present, then all are required
7. P1617 - If either LIN16,LIN17 is present, then all are required
8. P1819 - If either LIN18,LIN19 is present, then all are required
9. P2021 - If either LIN20,LIN21 is present, then all are required
10. P2223 - If either LIN22,LIN23 is present, then all are required
11. P2425 - If either LIN24,LIN25 is present, then all are required
12. P2627 - If either LIN26,LIN27 is present, then all are required
13. P2829 - If either LIN28,LIN29 is present, then all are required
14. P3031 - If either LIN30,LIN31 is present, then all are required

## Semantics:

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.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
LIN01	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used												
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>N4</td> <td>National Drug Code in 5-4-2 Format</td> </tr> <tr> <td>UA</td> <td>U.P.C./EAN Case Code (2-5-5)</td> </tr> <tr> <td>UI</td> <td>U.P.C. Consumer Package Code (1-5-5)</td> </tr> <tr> <td>UP</td> <td>U.P.C. Consumer Package Code (1-5-5-1)</td> </tr> <tr> <td>VC</td> <td>Vendor's (Seller's) Catalog Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	N4	National Drug Code in 5-4-2 Format	UA	U.P.C./EAN Case Code (2-5-5)	UI	U.P.C. Consumer Package Code (1-5-5)	UP	U.P.C. Consumer Package Code (1-5-5-1)	VC	Vendor's (Seller's) Catalog Number	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>																	
N4	National Drug Code in 5-4-2 Format																	
UA	U.P.C./EAN Case Code (2-5-5)																	
UI	U.P.C. Consumer Package Code (1-5-5)																	
UP	U.P.C. Consumer Package Code (1-5-5-1)																	
VC	Vendor's (Seller's) Catalog Number																	
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service <b>User Note 1:</b> <i>Abbott Nutrition could send UPC code, NDC code, or vendor code.</i>	M	AN	1/48	Must use												

# CTT Transaction Totals

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

**User Option (Usage):** Must use

To transmit a hash total for a specific element in the transaction set

### Syntax:

1. P0304 - If either CTT03,CTT04 is present, then all are required
2. P0506 - If either CTT05,CTT06 is present, then all are required

### Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set	M	N0	1/6	Must use

# SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Comments:

- SE is the last segment of each transaction set.

## Element Summary:

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

# GE Functional Group Trailer

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

**User Option (Usage):** Used

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

## Semantics:

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

## Comments:

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

## Element Summary:

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

# IEA Interchange Control Trailer

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

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use