



The Global Network for B2B Integration in High Tech Industries

Transaction Set

844

Product Transfer Account Adjustment

Functional Group ID = CF
X12 Version 004 Release 010

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OVERVIEW

1. FUNCTIONAL DEFINITION

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer Account Adjustment Transaction Set (844) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit specific data in the form of a debit, credit, or request for credit relating to pre-authorized product transfer actions.

2. CONSIDERATIONS

N/A.

3. TRADING PARTNERS

1. Any sender to any receiver.

4. EDIFICE BUSINESS MODELS

This is a simple recast/version upgrade of an existing EDIFICE guideline. Business models were not re-evaluated.

5. FIELD OF APPLICATION

This transaction may be applied for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

6. FORMAT

The transmission in the ASC X12 format uses two required envelopes. One is the ISA Interchange Control Header Segment, which starts and identifies an interchange of zero or more functional groups and interchange-related control segments. The ISA includes the sender's mailbox address and a receiver's mailbox address, and specifies which delimiter (a/k/a control, service) characters (data element separator, component element separator and data segment terminator) are being used.

There are no default service characters reserved for use in ASC X12. Allowable service characters should be discussed between trading partners.

The second required envelope is GS Functional Group Header, which indicates the beginning of a functional group and provides group level control information. The GS segment includes functional group level sender and receiver addresses, typically used by the trading partner(s) for internal routing. The GS also includes the GS08 ASC X12 Version/Release/Industry Identifier Code. EDIFICE does not recommend the use of an Industry Identifier code.

The functional groups are analogous to batches of like documents, i.e. purchase orders, invoices, etc. Each functional group contains one or more transaction sets (electronic documents).

Each transaction set is an ordered collection of segments.

Each segment is an ordered collection of data elements. Each segment has been assigned a two or three character identifier. This identifier marks the beginning of each segment. Each element within the segment is separated by a data element delimiter. EDIFICE recommends the use of the asterisk (*) character as a data element delimiter. A segment terminator character is used to mark the end of a segment.

Any shaded areas indicate EDIFICE recommended usage and comment.

7. ATTRIBUTES

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EDIFICE has additional usage indicated for optional segments and elements which are noted in the following table.

MARGIN	ATTRIBUTE	DE NOTE	MEANING
Must Use	M (Mandatory)	N/A	If a segment, composite, or stand alone data element is mandatory according to the standard, EDIFICE cannot change the mandatory status on that component. <i>DATA ELEMENT within a COMPOSITE:</i> A data element within a composite is mandatory only if the composite is used.
X	C or X (Conditional) or O (Optional)	No note or NOT USED	EDIFICE has determined no value in supplying the composite or data element; hence, it need not be generated.
Blank	C or X (Conditional) or O (Optional)	REQUIRED	EDIFICE members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EDIFICE makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EDIFICE has determined value in supplying the data element; hence, it should be generated.
Blank	C or X (Conditional) or O (Optional)	DEPENDING	Data must be sent if a particular defined condition or set of conditions exist. The associated conditions must be explained at the appropriate level of detail.



8. CHANGES FROM VERSION 3020

Only segments, elements or codes used by EDIFICE are listed. Some fields which have increased in maximum length are not listed.

- All date fields changed from 6/6 (YYMMDD) to 8/8 (CCYYMMDD)
- Changes made to bring transaction into conformance with Product and Other ID supporting document; miscellaneous changes to code lists and notes.
- Per Product and Other ID support document, added codes to DE 98 and DE 66 code lists (used in N1 segment).
- Per Product and Other ID support document, changed N2, N3 and N4 segments to 'Used'
- Per Product and Other ID support document added code 'EM' Electronic Mail to DE 365 (used in PER03).
- Max length of DE 93 Name (used in N102) changed from 35 to 60
- Max length of DE 67 Identification Code (used in N104) changed from 17 to 80
- Max length of DE 350 Assigned Identification (used in PO101) changed from 11 to 20; EDIFICE still recommends that trading partners use no more than 6 bytes.
- Max length of DE 427 Unit Price Difference changed from 9 to 15.
- Max length of DE 212 Unit Price changed from 14 to 17.
- Max length of DE 235 Product/Service ID (used in LIN segment) changed from 30 to 48.
- Per Product and Other ID supporting document, added codes to DE 235 code list (used in LIN segment).
- Requirement of DE 234 Product/Service ID Qualifier (used in LIN segment) changed from 'O' Optional to 'X' Conditional.

SEGMENT TABLES

844 Product Transfer Account Adjustment – List of Used and Not Used Segments

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BAA	Beginning Segment for Product Transfer Account Adjustment	M	1		
Not Used	022	CUR	Currency	O	1		
Not Used	030	NTE	Note/Special Instruction	O	10		
Not Used	040	REF	Reference Identification	O	12		
Not Used	050	PER	Administrative Communications Contact	O	3		
Not Used	060	DTM	Date/Time Reference	O	10		
LOOP ID – N1						50	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
	120	PER	Administrative Communications Contact	O	3		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID – CON						10000	
Must Use	010	CON	Contract Number Detail	M	1		
Not Used	020	REF	Reference Identification	O	12		
Not Used	030	PER	Administrative Communications Contact	O	3		
Not Used	040	DTM	Date/Time Reference	O	10		
LOOP ID – N1						50	
	050	N1	Name	O	1		
	060	N2	Additional Name Information	O	2		
	070	N3	Address Information	O	2		
	080	N4	Geographic Location	O	1		
Not Used	090	REF	Reference Identification	O	12		
Not Used	100	PER	Administrative Communications Contact	O	3		
LOOP ID – SII						>1	
Not Used	105	SII	Sales Item Information	O	1		
Not Used	107	N9	Reference Identification	O	1		
LOOP ID – PAD						1000	
	110	PAD	Product Adjustment Detail	O	1		
	120	LIN	Item Identification	O	1		
Not Used	130	PID	Product/Item Description	O	200		
Not Used	140	MEA	Measurements	O	40		
	150	UIT	Unit Detail	O	5		



	160	QTY	Quantity	O	5	
Not Used	170	AMT	Monetary Amount	O	2	n1
Not Used	180	RCD	Receiving Conditions	O	1	
	190	REF	Reference Identification	O	12	
	200	DTM	Date/Time Reference	O	10	
Not Used	210	CUR	Currency	O	1	
Not Used	220	SSS	Special Services	O	1	

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n2
Not Used	020	AMT	Monetary Amount	O	5		
Must Use	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The AMT segment is to be used only in cases where the amount cannot be computed from other detail.
2. Number of line items (CTT01) is the accumulation of the number of CON segments. If used, hash total (CTT02) is the sum of adjustment quantities (QTY02) for each QTY segment.

Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			844 Product Transfer Account Adjustment	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.	



Segment: **BAA** Beginning Segment for Product Transfer Account
Adjustment

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify the beginning of a Product Transfer Account Adjustment Transaction Set and further define the type of product account adjustment transaction set and its reference number and date

Syntax Notes: 1 If either BAA04 or BAA05 is present, then the other is required.
Semantic Notes: 1 BAA03 is the account adjustment date.
2 BAA06 is the account adjustment time.

Comments:

Notes: This segment distinguishes whether the transaction is a request for credit or submission for a debit memo.

The BAA05 reference number is a reference or control number which will be used as the debit memo number in the supplier's processing of the 844 transaction. The number in the BAA05 will be returned as the debit memo number in the 849 transaction. This reference must be unique over some period of time so that duplicate numbers are not presented to suppliers.

One reference (debit memo) number will represent the group of line items in an instance of the transaction. The line items may be grouped by shipping location or some other meaningful grouping that will facilitate later research, if needed.

There is always the option of sending all line items in a single 844 instance, but it is not recommended.

Configuration examples for BAA05 Reference number:

1. Location Code plus Date

- a. L232002068 for location L23 on Julian Date 2002068 (March 8, 2002)
- b. L252002068 for location L25 on Julian Date 2002069 (March 8, 2002)

2. Location Code plus Sequence Number

- a. L2336678 for location L23 with batch sequence number 36678
- b. L2436679 for location L24 with batch sequence number 36679
etc...
- c. L2436800 for location L24 with batch sequence number 36800

A verification should be made with all suppliers to determine maximum length of the reference number.



Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
Must Use	BAA02	640	Transaction Type Code Code specifying the type of transaction DR Debit Memo RC Request for Quote	M ID 2/2
Must Use	BAA03	373	Date Date expressed as CCYYMMDD	M DT 8/8
	BAA04	128	Reference Identification Qualifier Code qualifying the Reference Identification EDIFICE Usage: Advised. CM Buyer's Credit Memo DL Seller's Debit Memo	X ID 2/3
	BAA05	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier EDIFICE Usage: Advised.	X AN 1/30
Not Used	BAA06	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)	O TM 4/8



Segment: N1 Name

- Position:** 070
- Loop:** N1 Optional
- Level:** Heading
- Usage:** Optional
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

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

Notes: EDIFICE USAGE: Advised.

At least one entry should be provided for the distributor or distributor branch. Names and addresses are usually designated in the header area. It is recommended that the trading partner codify all the addresses within their system through the use of N104.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		DB Distributor Branch DS Distributor MF Manufacturer of Goods	
	N102	93 Name	X AN 1/60
		Free-form name	
		EDIFICE USAGE: Advised.	
		Facilitates audits and/or research.	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		EDIFICE Usage: Advised.	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		14 UCC/EAN Location Code Prefix	
		The first part of a 13 digit UCC/EAN Location Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system. A globally unique 3 to 10 digit code for the identification of a	



			company		
		91	Assigned by Seller or Seller's Agent		
		92	Assigned by Buyer or Buyer's Agent		
	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			EDIFICE USAGE: Advised.		
			The number that identifies the location.		
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	N106	98	Entity Identifier Code	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 004010 Data Element Dictionary for acceptable code values.		



Segment: N2 Additional Name Information

Position: 080

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:

Notes: EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment.
Note: Use of this segment may impede automation and application integration.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name	M AN 1/60
	N202	93	Free-form name Name Free-form name	O AN 1/60



Segment: N3 Address Information

Position: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Syntax Notes:
Semantic Notes:
Comments:

Notes: EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment. .

Data Element Summary

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



Segment: N4 Geographic Location

- Position:** 100
- 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.
- Notes:** EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment.

Data Element Summary

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

Position: 120
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: EDIFICE USAGE: Advised.

At least one direct contact in sender organization should be provided at the header level.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named AD Accounting Department AR Accounts Receivable Department BD Buyer Name or Department CR Customer Relations EB Entered By IC Information Contact	
	PER02	93	Name	O AN 1/60
			Free-form name EDIFICE USAGE: Advised. Facilitates audits and/or research.	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable Recommended format for telephone number is: 800-555-1212X1234.	
Not Used	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code	



Not Used	PER06	364	values. Communication Number	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	Contact Inquiry Reference	O	AN 1/20
			Additional reference number or description to clarify a contact number		



Segment: CON Contract Number Detail

Position: 010
Loop: CON Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify contract or reference number and status
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CON01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification PR Price Quote Number	
Must Use	CON02	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Must Use	CON03	846	Contract Status Code	M ID 2/2
			Code designating the current status of the contract VA Valid Open Contract The contract status will be validated by the receiver.	



Segment: N1 Name

- Position:** 050
- Loop:** N1 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

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

Notes:

EDIFICE USAGE: Advised.

This segment is used to identify the end customer involved in the transaction.

It is recommended that the trading partner codify all the addresses within their system through the use of N104.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code	M ID 2/3
	N102	93 Name Free-form name BY Buying Party (Purchaser)	X AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Recommended by EDIFICE.	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		14 UCC/EAN Location Code Prefix The first part of a 13 digit UCC/EAN Location Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system. A globally unique 3 to 10 digit code for the identification of a company	
		91 Assigned by Seller or Seller's Agent	



	N104	67	92 Identification Code Code identifying a party or other code EDIFICE USAGE: Advised.	Assigned by Buyer or Buyer's Agent X	AN 2/80
Not Used	N105	706	The number that identifies the location. Entity Relationship Code	O	ID 2/2
Not Used	N106	98	Entity Identifier Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values. 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: 060

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:

Notes: EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment.
Note: Use of this segment may impede automation and application integration.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name	M AN 1/60
	N202	93	Free-form name Name Free-form name	O AN 1/60



Segment: N3 Address Information

Position: 070
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Syntax Notes:
Semantic Notes:
Comments:

Notes: EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment. .

Data Element Summary

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



Segment: N4 Geographic Location

- Position:** 080
- 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.
- Notes:** EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency Code list in "States and Outlying Areas of the USA" (Catalog number C52.13.5-1). Available from: Superintendent of Documents, US Government Printing Office.	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 The ISO Country Codes should be used.	O ID 2/3
Not Used	N405	309 Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

Segment: PAD Product Adjustment Detail

Position: 110
Loop: PAD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the product transfer type, and/or line item number
Syntax Notes:
 1 At least one of PAD01 or PAD02 is required.
 2 If either PAD04 or PAD05 is present, then the other is required.
Semantic Notes:
 1 PAD01 is the line item identification.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PAD01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set EDIFICE Usage: Required.	X AN 1/20
PAD02	521	Product Transfer Type Code Code identifying the type of product transfer EDIFICE Usage: Required.	X ID 2/2
Not Used	PAD03	SD Ship and Debit Sale Change or Response Type Code Code specifying the type of change to the line item Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	PAD04	Price Multiplier Qualifier Code indicating the type of price multiplier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	PAD05	Multiplier Value to be used as a multiplier to obtain a new value	X R 1/10



Segment: **LIN** Item Identification

Position: 120
Loop: PAD 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.

Notes: EDIFICE Usage: Required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	LIN01	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			BP	Buyer's Part Number
			MG	Manufacturer's Part Number
			UP	U.P.C. Consumer Package Code (1-5-5-1)
			VP	Vendor's (Seller's) Part Number
Must Use	LIN03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
			EDIFICE USAGE: Advised.	



LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN09	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN11	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN13	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN15	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN17	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See LIN02 for code list.	X	ID 2/2
LIN19	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2



		See LIN02 for code list.		
LIN21	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		See LIN02 for code list.		
LIN23	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		See LIN02 for code list.		
LIN25	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		See LIN02 for code list.		
LIN27	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		See LIN02 for code list.		
LIN29	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		See LIN02 for code list.		
LIN31	234	Product/Service ID Identifying number for a product or service	X	AN 1/48



Segment: UIT Unit Detail

Position: 150
Loop: PAD Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify item unit data
Syntax Notes: 1 If UIT03 is present, then UIT02 is required.
Semantic Notes:
Comments:
Notes: EDIFICE Usage: Required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	UIT01	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	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.	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	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.	



Not Used	C00108	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	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.		
Not Used	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	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.		
Not Used	C00114	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	UIT02	212	Unit Price	X	R 1/17
			Price per unit of product, service, commodity, etc. Required by EDIFICE.		
	UIT03	639	Basis of Unit Price Code	O	ID 2/2
			Code identifying the type of unit price for an item Required by EDIFICE.		
			LE		Catalog Price per Each
			QE		Quoted Price per Each
			RE		Retail Price per Each



Segment: QTY Quantity

Position: 160
Loop: PAD Optional
Level: Detail
Usage: Optional
Max Use: 5
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:
Notes: Required by EDIFICE.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			39 Shipped Quantity	
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			EDIFICE Usage: Advised.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	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.	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	



Not Used	C00107	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.	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	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.	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	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.	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	QTY04	61	Free-Form Message	X AN 1/30
			Free-form information	



Segment: REF Reference Identification

- Position:** 190
- Loop:** PAD Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 12
- 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:

Notes: EDIFICE Usage: Required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification DI Distributor Invoice Number	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		



Segment: DTM Date/Time Reference

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

Semantic Notes:
Comments:
Notes:

EDIFICE Usage: Required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time A minimum of shipped date is required.	
			003 Invoice	
			011 Shipped	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			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.	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			D8 Date Expressed in Format CCYYMMDD	
Not Used	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	



Segment: CTT Transaction Totals

- Position:** 010
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To transmit a hash total for a specific element in the transaction set
- Syntax Notes:**
 - 1 If either CTT03 or CTT04 is present, then the other is required.
 - 2 If either CTT05 or CTT06 is present, then the other is required.
- Semantic Notes:**
- Comments:**
 - 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			The number of CON segments in the transaction set.	
Not Used	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
Not Used	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	CTT06	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code	



Not
Used

CTT07

352

values.
Description

O AN 1/80

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



Segment: SE Transaction Set Trailer
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M NO 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment must be identical to the control number in the ST segment for each transaction.	

844 PRODUCT TRANSFER ACCOUNT ADJUSTMENT EXAMPLES

The BAA05 reference number is a reference or control number which will be used as the debit memo number in the supplier's processing of the 844 transaction. The number in the BAA05 will be returned as the debit memo number in the 849 transaction.

This reference number must be unique over some period of time so that duplicate numbers are not presented to suppliers. The duplicate number may cause a problem and be confused with debit memos previously processed by suppliers.

One reference (debit memo) number will represent the group of line items in the given transaction. The line items may be grouped by shipping location or some other meaningful grouping, and the grouped line items may be within the same 844. This will provide controlled grouping among the line items. This will facilitate research when necessary.

There is always the option of sending all line items under one 844 transaction, but it is not recommended.

Configuration examples for BAA05 Reference number:

1. LOCATION CODE PLUS DATE:

- a. L2392068 for location 1-23 on Julian date 92068 (March 8, 1992)
- b. 1-2592068 for location L25 on Julian date 92068 (March 8, 1992)

2. LOCATION CODE PLUS SEQUENCE NUMBER

- a. L2335678 for location L23 with batch sequence number 36678
- b. L2435679 for location L24 with batch sequence number 36679 etc.
- c. L2435800 for location L24 with batch sequence number 35800

A sequence number is increased in the last five positions for each location, and continues to increase with each new transmission. The continuing sequence number may be used across all 844 transactions for all suppliers.

In these examples, the reference (debit memo) numbers should continuously be unique with these methods.

A verification should be made with all the suppliers to determine the maximum length of the reference number in the BAA05 which each can process to avoid problems.

The accepted and rejected line items are returned in 849 transactions, Response to Product Transfer Account Adjustment from suppliers. A given reference BRC04 (debit memo) number may appear in two 849 transactions, if the accepted line items and rejected line items are separated as illustrated in example 1. The rejected line items can be corrected then present under a new debit memo number to the supplier.

The total amount of the accepted line items within a given debit memo number would be conveyed to the supplier so the credit may be given.



844 Example 1 – Request Credit for Pre–Authorized Price Reduction

This is an example of a request for credit relating to a pre–authorized reduction of cost of a particular part to a particular customer.

The BAA is generated by the distributor. Multiple 844 transactions can be sent where each includes a specific grouping of detail items, such as line items for a given distributed branch.

HEADING AREA:	
ST*844*2771 N/L	The transaction set ID is 844; the transaction set control number is 2771.
BAA*00*RC*920502*DL*DM920502 N/L	This is an original request for credit; it was created on May 05, 1992; debit memo number is DM920502. The debit memo number must be returned on the BRC04 in the 849 transaction. This allows the transaction to be cross referenced.
NI*DS**92*DSABC N/L	The distributor code is identified by the buyer. The code is DSABC.
CON*PR*SD12345*VA N/L	The price quote (authorization) number is SD12345; this is a valid open contract.
NI*BY*ABC Company*92*8762456 N/L	The buying party (end customer) is ABC Company; the distributor's assigned customer number is 8762456.
DETAIL – Line Item 1	
PAD*3*SD N/L	The distributor's assigned ID is 3. The assigned ID should be returned in the 849 transaction PAD01 field. This is a ship and debit sale.
LIN**VP*10-263-772 N/L	The vendor's (seller's) part number is 10-263-772.
UIT*EA*7.4974*LE N/L	The catalog price per each is 7.4974.
UIT*EA*5.9979*QE N/L	The quoted (authorized) price per each is 5.9979.
UIT*EA*8.99*RE N/L	The retail price per each is 8.99.
QTY*30*5*EA N/L	The quantity shipped is 5; basic unit of measurement is each.
REF*DI*114889717 N/L	The distributor's invoice number is 114889717.
DTM*003*920422 N/L	The distributor's invoice date is April 22,1992.
DETAIL – Line Item 2	
PAD*5*SD N/L	The distributor's assigned ID is 5. The assigned ID should be returned in the 849 transaction PAD01 field. This is a ship and debit sale.
LIN**VP*SN74F245N N/L	The vendor's (seller's) part number is SN74F245N.
UIT*EA*.39*LE N/L	The catalog price per each is .39.
UIT*EA*.22*QE N/L	The quoted (authorized) price per each is .22.
UIT*EA*.25*RE N/L	The retail price per each is .25.
QTY*39*100*EA N/L	The quantity shipped is 100; basic unit of measurement is each.
REF*DI*114889717 N/L	The distributor's invoice number is 114889717.
DTM*003*920422 N/L	The distributor's invoice date is April 22,1992.



SUMMARY AREA	
CTT*1 N/L	The number of CON segments for this transaction is 1.
SE*24*2771 N/L	The number of segments for this transaction is 24. The control number is 2771 which must match the control number on the ST segment for this transaction set.