![ECIA logo] Electronic Components Industry Association

EDI Transaction Set

844 Product Transfer Account Adjustment

Outbound to Supplier

X12 Version 4010

September 2013

ECIA's EDI Committee has reviewed this transaction set and made modifications that will benefit the electronics industry by simplifying the transaction focusing on industry specific needs.

NOTICE

ECIA Industry Guidelines and Publications contain material that has been prepared, progressively reviewed, and approved through various ECIA-sponsored industry task forces, comprised of ECIA member distributors, manufacturers, and manufacturers' representatives. After adoption, efforts are taken to ensure widespread dissemination of the guidelines. ECIA reviews and updates the guidelines as needed.

ECIA Industry Guidelines and Publications are designed to serve the public interest, including electronic component distributors, manufacturers and manufacturers' representatives through the promotion of uniform and consistent practices between manufacturers, distributors, and manufacturers' representatives resulting in improved efficiency, profitability, product quality, safety, and environmentally responsible practices. Existence of such guidelines shall not in any respect preclude any member or non-member of ECIA from adopting any other practice not in conformance to such guidelines, nor shall the existence of such guidelines preclude their voluntary use by those other than ECIA members, whether the guideline is to be used either domestically or internationally.

ECIA does not assume any liability or obligation whatever to parties adopting ECIA Industry Guidelines and Publications. Each company must independently assess whether adherence to some or all of the guidelines is in its own best interest.

Inquiries, comments, and suggestions relative to the content of this ECIA Industry Guideline should be addressed to ECIA headquarters.

844 Product Transfer Account Adjustment

Introduction:

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.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
2	010	ST	Transaction Set Header	M	1		
3	020	BAA	Beginning Segment for Product Transfer Account Adjustment	M	1		
			LOOP ID - N1			50	
4	070	N1	Name	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CON			10000	
5	010	CON	Contract Number Detail	M	1		
			LOOP ID - N1			50	
6	050	N1	Name	O	1		
			LOOP ID - PAD			1000	
7	110	PAD	Product Adjustment Detail	O	1		
8	120	LIN	Item Identification	O	1		
9	150	UIT	Unit Detail	O	5		
10	160	QTY	Quantity	O	5		
11	190	REF	Reference Identification	O	12		
12	200	DTM	Date/Time Reference	O	10		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
13	010	CTT	Transaction Totals	M	1		n2
14	030	SE	Transaction Set Trailer	M	1		
15			**APPENDIX – Sample 844 Transaction**				

Transaction Set Notes

1. 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				

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1**   The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ST01	143	**Transaction Set Identifier Code**	M	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			844		
M	ST02	329	**Transaction Set Control Number**	M	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

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

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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BAA01	353	**Transaction Set Purpose Code**	M	**ID 2/2**
			Code identifying purpose of transaction set		
			00 - Original		
M	BAA02	640	**Transaction Type Code**	M	**ID 2/2**
			Code specifying the type of transaction		
			RC - Request for credit		
M	BAA03	373	**Date**	M	**DT 8/8**
			Date expressed as **CCYYMMDD**		
	BAA04	128	**Reference Identification Qualifier**	O	**ID 2/3**
			Code qualifying the Reference Identification		
			DL – sellers debit memo		
			Optional		
	BAA05	127	**Reference Identification**	O	**AN 1/30**
			Optional		
	BAA06	337	**Time**	O	**TM 4/8**
			Not used		

	Segment:	**N1** Name

Segment: **N1** Name

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

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			DB - branch		
	N102	93	**Name**	O	**AN 1/60**
			Optional		
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**
			91 - Assigned by supplier		
			92 - Assigned by distributor		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	N104	67	**Identification Code**	X	**AN 2/80**
			If N103 = 91, Supplier's Code		
			If N103 = 92, Distributor Branch Number		
	N105	706	**Entity Relationship Code**	O	**ID 2/2**
			Code describing entity relationship		
			Not used		
	N106	98	**Entity Identifier Code**	O	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			Not used		

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

	Ref. Des.	Data Element	Name		Attributes
M	CON01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			PR - Price Authorization Number		
M	CON02	127	**Reference Identification**	M	**AN 1/30**
			Authorization Number		
M	CON03	846	**Contract Status Code**	M	**ID 2/2**
			Code designating the current status of the contract		
			VA - Open Contract		

			Segment:	**N1** Name		

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			BY - Buying party		
	N102	93	**Name**	M	AN 1/60
			End Customer Name		
	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			92 - Assigned by distributor		
	N104	67	**Identification Code**	X	AN 2/80
			Distributor's customer number		
	N105	706	**Entity Relationship Code**	O	ID 2/2
			Code describing entity relationship		
			Not used		
	N106	98	**Entity Identifier Code**	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			Not used		

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**	**X**	**AN 1/20**
		Adjustment Number		
		Can be used to identify line number on customer's order		
PAD02	**521**	**Product Transfer Type Code**	**X**	**ID 2/2**
		Code identifying the type of product transfer		
		SD - Ship & Debit		
PAD03	**670**	**Change or Response Type Code**	**O**	**ID 2/2**
		Code specifying the type of change to the line item		
		Not used		
PAD04	**648**	**Price Multiplier Qualifier**	**X**	**ID 3/3**
		Code indicating the type of price multiplier		
		Not used		
PAD05	**649**	**Multiplier**	**X**	**R 1/10**
		Not used		

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.
Semantic Notes: 1 LIN01 is the line item identification
Comments: 1 See the Data Dictionary for a complete list of IDs.
2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	LIN01	350	Assigned Identification	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
M	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)		
			VP - Vendor's part number		
M	LIN03	234	Product/Service ID	M	AN 1/48
			Vendor's part number		
	LIN04	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP - Distributor part number		
	LIN05	234	Product/Service ID	X	AN 1/48
			Distributor's part number		

Note: Elements LIN06 through LIN31 are not used.

	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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	UIT01	C001	**Composite Unit of Measure**	**M**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA - Each		
	UIT02	212	**Unit Price**	**X**	**R 1/17**
			Maximum of five decimal places		
	UIT03	639	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
			RS - Resale price		
			CA - Catalog price		
			QT - Quoted price		

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

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:

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			39 - Quantity shipped	
	QTY02	380	Quantity	X R 1/15
			Quantity shipped	
	QTY03	C001	**Composite Unit of Measure**	**O**
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			EA - Each	
	QTY04	61	**Free-Form Message**	X AN 1/30
			Not Used	

			Segment:	**REF** Reference Identification		

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:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			DI - Invoice Number (Distributor's Invoice Number)		
			PO - Purchase Order (Customer PO Number)		
			LI – Line Item Identifier (Seller's)		
	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		
	REF03	352	Description	X	AN 1/80
			Not used		
	REF04	C040	Reference Identifier	O	
			Not used		

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

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:

Data Element Summary

	Ref. **Des.**	**Data** **Element**	**Name**		**Attributes**
M	DTM01	374	**Date/Time Qualifier**	M	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			003 - Invoice date		
	DTM02	373	**Date**	X	**DT 8/8**
			Invoice date expressed as CCYYMMDD		

Note: Elements DTM03 through DTM06 are not used.

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

	Ref. Des.	Data Element	Name		Attributes
M	CTT01	354	**Number of Line Items**	M	**N0 1/6**
			Total number of line items in the transaction set		
	CTT02	347	**Hash Total**	O	**R 1/10**
			Sum of quantities in field QTY02.		

Note: Elements CTT03 through CTT07 are not used.

			Segment:	**SE** Transaction Set Trailer

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			This number must match the transaction set control number (ST02) in the transaction set header segment.	

APPENDIX

Sample 844 Transaction Set

ISA~00~   ~00~   ~01~DISTY   ~ZZ~ SUPPLIER   ~080809~2252~U~00401~000068160~0~P~<
GS~CF~DISTY~ SUPPLIER ~20080809~2252~65100~X~004010
ST~844~651000001
BAA~00~RC~20080809~DL~HE010809
N1~DB~~92~HE01
CON~PR~900531~VA
N1~BY~ VALUED END CUSTOMER ~92~HE0103507031
N1~EC~GOODRICH AEROSPACE~92~ H55505555001
PAD~001307~SD
LIN~~VP~24LC02B/SN~BP~24LC02B/SN
UIT~EA~.99~RT
UIT~EA~.98~CA
UIT~EA~.97~QT
QTY~39~310~EA
REF~DI~H0500005564027005
REF~PO~11874LQ17514
REF~LI~01
DTM~011~20080808
CTT~1~310
SE~18~651000001