

**EDI Transaction Set
849 Response to Product Transfer Account Adjustment
Inbound from 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.

Published by

ELECTRONIC COMPONENTS INDUSTRY ASSOCIATION
1111 Alderman Dr., Suite 400
Alpharetta, GA 30005
678-393-9990

Copyright 2013
Printed in U.S.A.
All rights reserved

849 Response to Product Transfer Account Adjustment

Functional Group ID= **CF**

Introduction:

This Standard contains the format and establishes the data contents of the Response to Product Transfer Account Adjustment Transaction Set (849) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit a detailed or summary response to a party requesting an accounting adjustment relating to a pre-authorized product transfer.

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	BRC	Beginning Segment for Response to Product Transfer Account Adjustment	M	1		
			LOOP ID - N1			50	
4	080	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	O	1		
			LOOP ID - N1			50	
6	060	N1	Name	O	1		
			LOOP ID - PAD			1000	
7	120	PAD	Product Adjustment Detail	O	1		
8	130	LIN	Item Identification	O	1		
9	140	AAA	Request Validation	O	10		
10	170	UIT	Unit Detail	O	5		
11	180	QTY	Quantity	O	5		
12	210	REF	Reference Identification	O	12		
13	220	DTM	Date/Time Reference	O	10		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
14	010	CTT	Transaction Totals	M	1		n2
15	030	SE	Transaction Set Trailer	M	1		
16			APPENDIX – Sample 849 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 the 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				
	Ref. Des.	Data Element	Name	Attributes
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 849	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BRC** Beginning Segment for Response to Product Transfer Account Adjustment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify the beginning of a Response to Product Transfer Account Adjustment Transaction Set
Syntax Notes: 1 If either BRC03 or BRC04 is present, then the other is required.
Semantic Notes: 1 BRC02 is the date of the response to product transfer account adjustment.
2 BRC05 is the time of the response to product transfer account adjustment.
Comments:

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	BRC01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 - Original	M ID 2/2
M	BRC02	373	Date Date expressed as CCYYMMDD	M DT 8/8
	BRC03	128	Reference Identification Qualifier Code qualifying the Reference Identification CR - Customer Reference No.	X ID 2/3
	BRC04	127	Reference Identification Manufacturer's credit memo	X AN 1/30
	BRC05	337	Time Not used	O TM 4/8

Segment: **N1** Name
Position: 080
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 - Distribution branch	
	N102	93	Name	X AN 1/60
			Optional	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			91 - Assigned by supplier 92 - Assigned by distributor	
	N104	67	Identification Code	X AN 2/80
			If previous qualifier = 91, Supplier's code	
			If previous qualifier = 92, Distribution 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 Optional
Level: Detail
Usage: Optional
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 Code qualifying the Reference Identification PR - Price Authorization Number	M ID 2/3
M	CON02	127	Reference Identification Authorization Number	M AN 1/30
M	CON03	846	Contract Status Code Code designating the current status of the contract VA - Open Contract	M ID 2/2

Segment: **N1** Name
Position: 060
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

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

Segment: **PAD** **Product Adjustment Detail**
Position: 120
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 Adjustment Number Can be used to identify line number on customer's order.	X	AN 1/20
PAD02	521	Product Transfer Type Code Code identifying the type of product transfer	X	ID 2/2
PAD03	670	SD - Ship & Debit Change or Response Type Code Code specifying the type of change to the line item	O	ID 2/2
PAD04	648	Not used Price Multiplier Qualifier Code indicating the type of price multiplier	X	ID 3/3
PAD05	649	Not used Multiplier Not used	X	R 1/10

Segment: **LIN** Item Identification
Position: 130
Loop: PAD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
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 part number	

Note: Elements LIN04 through LIN31 are not used.

Segment: **AAA** Request Validation
Position: 140
Loop: PAD Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify the validity of the request and indicate follow-up action authorized
Syntax Notes:
Semantic Notes: 1 AAA01 designates whether the request is valid or invalid. Code "Y" indicates that the code is valid; code "N" indicates that the code is invalid.
Comments: 1 If AAA02 is used, AAA03 contains a code from an industry code list.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	AAA01	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response V - Valid request I - Invalid request	M ID 1/1
	AAA02	559	Agency Qualifier Code Code identifying the agency assigning the code values Not used	O ID 2/2
	AAA03	901	Reject Reason Code Code assigned by issuer to identify reason for rejection	O ID 2/2
	AAA04	889	Follow-up Action Code Code identifying follow-up actions allowed Not used.	O ID 1/1

Segment: **UIT** **Unit Detail**
Position: 170
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 To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA - Each	M ID 2/2
	UIT02	212	Unit Price Maximum of five decimal places	X R 1/17
	UIT03	639	Basis of Unit Price Code Code identifying the type of unit price for an item RS - Resale price CA - Original cost QT - Quoted price	O ID 2/2

Segment: **QTY** Quantity
Position: 180
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 Code specifying the type of quantity 39 - Quantity shipped	M ID 2/2
	QTY02	380	Quantity Quantity shipped	X R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA - Each	M ID 2/2
	QTY04	61	Free-Form Message Not used	X AN 1/30

Segment: **REF** Reference Identification

Position: 210

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 Code qualifying the Reference Identification DI - Invoice Number (Distributor's Invoice Number) PO - Purchase Order (Customer PO Number) LI – Line Item Identifier (Seller's).	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description Not used	X AN 1/80
	REF04	C040	Reference Identifier Not used	O

Segment: **DTM** **Date/Time Reference**
Position: 220
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
			Sales Date	

Note: Elements DTM03 – 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.	Data		Attributes
	Des.	Element	Name	
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.	
	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
	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.	
	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
	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 values.	
	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Note: Elements CTT03 through CTT07 are not used.

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 Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number This number must match the transaction set control number (ST02) in the transaction set header segment.	M AN 4/9

APPENDIX

Sample 849 Transaction Set

ISA*00* *00* *ZZ* SUPPLIER *01*DISTY *080812*0641*U*00401*000007436*0*P*>
GS*CF* SUPPLIER *DISTY*20080812*0641*7437*X*004010
ST*849*74370283
BRC*00*20080811*CM*H6190809
N1*DB*DISTY*92*H619
CON*PR*Q366172-2*OC
N1*BY*VALUED END CUSTOMER*92*H66606666001
PAD*001*SD
LIN**VP*25AA080BT-I/SNB21
AAA*V*EI
UIT*EA*.97*RT
UIT*EA*.98*CA
UIT*EA*.99*QT
QTY*39*3300*EA
REF*LI*01
REF*DI*H6190001603940001
DTM*011*20080808
DTM*003*20080808
CTT*1
SE*18*74370283
GE*1*7437
IEA*1*000007436