

Product Transfer Account Adjustment

Transaction Set (844)

(Inbound to TI)

ANSI Version Format: 2040

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How To Use This Documentation

This document was created to aid in your implementation of the ANSI 2040 standard for the product transfer account adjustment. This documentation contains those segments and elements required to successfully process your product transfer account adjustment for Texas Instruments.

A complete description of the product transfer account adjustment segments are outlined in the ANSI 2040 Standards Manual. If you require/need to send additional segments not listed in this documentation you must reach an agreement with Texas Instruments before sending those segments.

Data Element Attributes

- M = Mandatory (must be transmitted)
- C = Conditional (presence of this field is dependent on the value or presence of other data elements within the segment)
- O = Optional (the appearance of the element is either at the option of the sending party or based on agreement between the trading partners)

Data Element Types

- AN = Alphanumeric
- NN = Numeric
 - 1st N signifies numeric
 - 2nd N signifies the number of decimal places to the right of a fixed, implied decimal point (the decimal point is not transmitted for this data element type)
- R = Numeric Decimal (decimal point required to be transmitted when fractional values are present)
- ID = Field contains a code value (codes are contained within predetermined lists maintained by the standards committee and are found in the appendix of ANSI manuals)
- DT = Date formatted in YYMMDD, where
 - YY = Last 2 digits of the year (00-99)
 - MM= Numeric month (01-12)
 - DD = Numeric day (01-31)
- TM = Time formatted in HHMM, where
 - HH = Military hour (00-23)
 - MM= Minute (00-59)

Data Element Length

- The number to the left of the "/" specifies the minimum length of the field as required by the standard.
- The number to the right of the "/" specifies the maximum length of the field as required by the standard.
- When the minimum and maximum lengths are the same, this signifies the field has a fixed length.
- The minimum and maximum lengths do not include the decimal point (when data element is R).

Product Transfer Account Adjustment(844) - Inbound

This 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.

SEG. ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	
ST	Transaction Set Header	M	1	
BAA	Beginning Segment (Product Transfer Account Adjustment)	M	1	
LOOP ID N1				
N1	Name	O	1	50
LOOP ID - CON				
CON	Contract Number Detail	M	1	10,000
LOOP ID - N1				
N1	Name	O	1	50
LOOP ID - QTY				
PAD	Product Adjustment Detail	M	1	1000
LIN	Item Identification	O	1	
UIT	Unit Detail	O	5	
QTY	Quantity	O	5	
REF	Reference Numbers	O	12	
DTM	Date/Time Reference	O	10	
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

ISA - Interchange Control Header

Status: Mandatory

Purpose: To start and identify an interchange of one or more functional groups and interchange related control segments.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	00 - No Authorization Information Present 01 - UCS Communications ID
ISA02	I02	Authorization Information	M	AN	10/10	Supplied by TI if using direct dial service
ISA03	I03	Security Information Qualifier	M	ID	2/2	00 - No Security Information Present 01 - Password
ISA04	I04	Security Information	M	AN	10/10	Supplied by TI if using direct dial service
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	TI accepts all; TI uses 01 - DUNS (Dun & Bradstreet)
ISA06	I06	Interchange Sender ID	M	ID	15/15	Defined by Sender
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	TI accepts all; TI uses 01 - DUNS (Dun & Bradstreet)
ISA08	I07	Interchange Receiver ID	M	ID	15/15	Defined by Receiver
ISA09	I08	Interchange Date	M	DT	6/6	Current Date: YYMMDD
ISA10	I09	Interchange Time	M	TM	4/4	Current Time: HHMM
ISA11	I10	Interchange Standards ID	M	ID	1/1	U - American National Standards Committee X12
ISA12	I11	Interchange Version ID	M	ID	5/5	This version number covers X12 control segments only. Positions 1-3 = major version number; positions 4-5 = release level of the version.

ISA - Interchange Control Header (continued)

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ISA13	I12	Interchange Control Number	M	N0	9/9	This number is assigned by sender; together with sender ID, it uniquely identifies interchange data to receiver. It is suggested that sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.
ISA14	I13	Acknowledgment Requested	M	ID	1/1	0 - No Acknowledgment Requested 1 - Interchange Acknowledgment Requested
ISA15	I14	Test Indicator	M	ID	1/1	T - Test Data P - Production Data
ISA16	I15	Sub Element Separator	M	AN	1/1	Defined by Sender

GS - Functional Group Header

Status: Mandatory

Purpose: To start and identify a functional group of related transaction sets and provide control and application identification information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
GS01	479	Functional ID Code	M	ID	2/2	Code identifying a group of application related transaction sets
GS02	142	Application Sender's Code	M	ID	2/12	Defined by Sender
GS03	124	Application Receiver's Code	M	ID	2/12	Defined by Receiver
GS04	29	Data Interchange Date	M	DT	6/6	Date sender generated a functional group of transaction sets. Format: YYMMDD
GS05	30	Data Interchange Time	M	TM	4/4	Time expressed in 24-hour clock time when the sender generated a functional group of transaction sets (local time at sender's location). Format HHMM
GS06	28	Data Interchange Control Number	M	N0	1/9	Sequentially assigned by sender
GS07	455	Responsible Agency Code	M	ID	1/2	X - Accredited Standards Committee X12
GS08	480	Version/Release/ Industry ID Code	M	ID	1/12	Code indicating the version, release, and industry ID of the EDI standard being used. Positions 1 - 3 = major version number; positions 4 - 6 = release number.

ST - Transaction Set Header

Status: Mandatory

Purpose: The first segment of each transaction set, containing the transaction set identifier and control numbers.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ST01	143	Transaction Set ID Code	M	ID	3/3	844 - Product Transfer Account Adjustment
ST02	329	Transaction Set Control Number	M	AN	4/9	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.

BAA - Beginning Segment (Product Transfer Account Adjustment)

Status: Mandatory

Purpose: To indicate the beginning of a product transfer account adjustment transaction set and to further define the type of product account adjustment transaction set and its reference number and date.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
BAA01	353	Transaction Set Purpose Code	M	ID	2/2	00 - Original
BAA02	640	Transaction Type Code	M	ID	2/2	RC - Request for Credit
BAA03	373	Date	M	DT	6/6	Date of Request for Credit (YYMMDD)
BAA04	128	Reference Number Qualifier	C	ID	2/2	DL - Debit Memo
BAA05	127	Reference Number	O	AN	1/30	Distributor Debit Memo Number
BAA06	337	Time	O	TM	4/4	Not Used

N1 - Name

Status: Optional

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

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N101	98	Entity ID Code	M	ID	2/2	DB - Distributor Branch DS - Distributor
N102	93	Name	C	AN	1/35	Distributor Branch or Central Office
N103	66	ID Code Qualifier	C	ID	1/2	91 - Assigned by Seller
N104	67	ID Code	C	ID	2/17	TI Distributor Branch or Central Office Number

CON - Contract Number Detail

Status: Mandatory

Purpose: To specify contract or reference number and status.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
CON01	128	Reference Number Qualifier	M	ID	2/2	PR - Price Authorization
CON02	127	Reference Number	M	AN	1/30	Authorization Number
CON03	846	Contract Status Code	M	ID	2/2	VA - Valid Open Contract

N1 - Name

Status: Optional

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

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N101	98	Entity ID Code	M	ID	2/2	BY - Buyer EC - Exchanger
N102	93	Name	C	AN	1/35	Name referenced by N101 qualifier
N103	66	ID Code Qualifier	C	ID	1/2	92 - Sender's Internal Customer ID Number
N104	67	ID Code	C	ID	2/17	End Customer Number

PAD - Product Adjustment Detail

Status: Mandatory

Purpose: To specify the product transfer type and/or line item number.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
PAD01	350	Assigned Identification	C	AN	1/6	Not Used, will be returned on an 849
PAD02	521	Product Transfer Type Code	C	ID	2/2	SD - Ship and Debit

NOTE: PAD03 through PAD05 are not used.

LIN - Item Identification Detail

Status: Optional

Purpose: To specify basic item identification data.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
LIN01	350	Assigned Identification	O	AN	1/6	Line item identifying number
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	VP - Vendor's Part Number
LIN03	234	Product/Service ID	M	AN	1/30	TI Part Number
LIN04	235	Product/Service ID Qualifier	M	ID	2/2	BP - Buyer Part
LIN05	234	Product/Service ID	M	AN	1/30	Buyer Part Number

NOTE: LIN06 through LIN31 are not used.

UIT - Unit Detail

Status: Optional

Purpose: To specify item unit data.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
UIT01	355	Unit of Measure Code	M	ID	2/2	Unit of Measure EA - Each
UIT02	212	Unit Price	C	R	1/14	Price Per Unit
UIT03	639	Basis Unit Price Code	O	ID	2/2	LE - Book Cost QE - Meet Competition Cost RE - Resale Price

NOTE: For the UIT03 field:

"RE" is required.

"QE" is optional. If sent, it will be compared to the TI 'meet competition' cost and, if not equal, an error code of '20' will be returned in the AAA - Request Validation segment sent in the 849.

"LE" is optional. If sent, is will be compared to the TI parts database and, if not equal, an error code of '21' will be returned in the AAA - Request Validation segment sent in the 849.

QTY - Quantity

Status: Optional

Purpose: To specify quantity information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
QTY01	673	Quantity Qualifier	M	ID	2/2	39 - Shipped Quantity
QTY02	380	Quantity	M	R	1/10	Quantity Shipped
QTY03	355	Unit of Measure Code	O	ID	2/2	EA - Each

REF - Reference Numbers

Status: Optional

Purpose: To specify identifying numbers.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
REF01	128	Reference Number Qualifier	M	ID	2/2	AU - Authorization Number DI - Distributor's Invoice Number IT - Internal Customer Number
REF02	127	Reference Number	M	AN	1/30	Number Qualifier by REF01
REF03	352	Description	O	AN	1/80	Not Used

DTM - Date/Time Reference

Status: Optional

Purpose: To specify pertinent dates and times.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
DTM01	374	Date/Time Qualifier	M	ID	3/3	011 - Shipped
DTM02	373	Date	C	DT	6/6	Shipping Date (YYMMDD)
DTM03	337	Time	C	TM	4/4	Not Used
DTM04	623	Time Code	O	ID	2/2	Not Used

CTT - Transaction Totals

Status: Mandatory

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

Field #	Element	Field Name	Req.	Type	Size	TI Usage
CTT01	354	Number of Line Items	M	N0	1/6	Number of line item segments in this transaction set

NOTE: CTT02 through CTT07 are not used.

SE - Transaction Set Trailer

Status: Mandatory

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.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
SE01	96	Number of Included Segments	M	N0	1/6	The total number of all segments in the transaction set, including the ST and SE segments.
SE02	329	Transaction Set Control Number	M	AN	4/9	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 (ST02) for each transaction.

GE - Functional Group Trailer

Status: Mandatory

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

Field #	Element	Field Name	Req.	Type	Size	TI Usage
GE01	97	Number of Included Transaction Sets	M	N0	1/6	The total number of transaction sets included.
GE02	28	Data Interchange Control Number	M	N0	1/9	The data interchange control number must match the same data element (GS06) in the functional group header segment.

IEA - Interchange Control Trailer

Status: Mandatory

Purpose: To define the end of an interchange of one or more functional groups and interchange related control segments.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
IEA01	I16	Number of Included Groups	M	N0	1/5	A count of the number of functional groups included in a transmission.
IEA02	I12	Interchange Control Number	M	N0	9/9	This number is assigned by sender; together with sender ID, it uniquely identifies interchange data to receiver. It is suggested that sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.