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Product transfer account adjustment APIs

Product Transfer Account Adjustment—a key transaction used to ensure the financial records accuracy and reconcile discrepancies between invoices, payments, and outstanding balances. The product transfer account adjustment is primarily used by distributors to submit chargeback claims to manufacturers after a product has been sold and shipped to eligible customers at contracted prices. It is most commonly associated with chargebacks, where the distributor has sold a product at a lower contract price than the acquisition cost. In such cases, the distributor submits a product transfer account adjustment to claim reimbursement for the difference. Manufacturers then respond with a response to product transfer account adjustment to reconcile and approve the chargeback.

These adjustments may be necessary due to a range of reasons, including pricing discrepancies, contractual updates, quantity mismatches, or returns. The product transfer account adjustment ensures that both parties maintain accurate, transparent financial records by updating the appropriate accounts—such as accounts receivable—to reflect the corrected balances.

Once the product transfer account adjustment is sent by the seller (usually the distributor), the recipient (manufacturer) returns a functional acknowledgment to confirm successful receipt of the transaction.

By automating these financial adjustments through EDI, trading partners can reduce manual errors, accelerate the reconciliation process, and maintain financial alignment across the supply chain.

Product transfer account adjustment request (X12)

A Product Transfer Account Adjustment Request is a formal transaction used to resolve pricing or financial discrepancies when products move between trading partners—typically from a manufacturer to a distributor or wholesaler. It is most often used in chargeback scenarios, where the distributor requests reimbursement for selling a product at a contract price that is lower than the price they originally paid.

A Product Transfer Account Adjustment Request is a formal transaction used in the pharmaceutical supply chain to correct financial discrepancies related to the movement of products between trading partners—typically between wholesalers/distributors and manufacturers. It is most commonly associated with chargeback claims, where a distributor seeks reimbursement for selling a product at a contracted price that is lower than their acquisition cost.



Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type:**

MPC_PRODUCT_TRANSFER_ACCOUNT_ADJUSTMENT_REQUEST

- **X12 Format:** X12 844

- **Transform Names:**

- B2B_EDIX12_844_ProductTransferAccountAdjustmentRequest_IB_V2

- B2B_EDIX12_844_ProductTransferAccountAdjustmentRequest_OB_V1

Guidelines

Input Element						Occurs	Length	Description	Examples
ISA						1...1	-	Required. ISA interchange envelope.	-
	ISA01					1...1	2/2	Required. Authorization information qualifier identifying the type of identifier in ISA02. Valid values: <ul style="list-style-type: none"> • 00 - No authorization information in ISA02 • 01 - UCS communications • 02 - EDX • 03 - Additional identifier • 04 - Rail communication identifier • 05 - Dept of Defense (DOD) identifier • 06 - US Federal Government identifier • 07 - Truck communications identifier • 08 - Ocean communications identifier Typically this value is 00.	00
	ISA02					1...1	10/10	Required. Authorization identifier value used for additional identification or authorization of the interchange sender or the data in the interchange. If ISA01 = 00, this will be populated by a ten spaces. If ISA01 ≠ 00, ISA02 must be populated with an identifier padded to 10 characters, if less than 10 characters.	-
	ISA03					1...1	2/2	Required. Qualifier for security information in ISA04. Valid values: <ul style="list-style-type: none"> • 00 - No security information present • 01 - Password Typically this value is 00	00
	ISA04					1...1	10/10	Required. Security information identifying for the interchange sender or data. If ISA03 = 00, this will be populated by ten spaces. If ISA03 ≠ 00, ISA04 must be populated with a password that is padded to 10 characters, if less than 10 characters.	-

Input Element					Occurs	Length	Description	Examples
							<p>Required. Interchange sender partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 – Duns (Dun & Bradstreet). • 02 – Standard Carrier Alpha Code. • 03 – Federal Maritime Commission. • 04 – International Air Transport Association. • 07 – Global Location Number (GLN). • 08 – UCC EDI Communications ID (Comm ID). • 09 – X.121 (CCITT). • 10 – Department of Defense (DoD) Activity Address Code. • 11 – Drug Enforcement Administration identifier. • 12 – Telephone Companies. • 13 – Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 – Duns Plus Suffix. • 15 – Petroleum Accountants Society of Canada Company Code. • 16 – DINS Number With 4-Character Suffix. • 17 – American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 – Association of American Railroads (AAR) Standard Distribution Code. • 19 – EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 – Health Industry Number (HIN). • 21 – Integrated Postsecondary Education Data System. • 22 – Federal Interagency Commission on Education, or FICE. • 23 – National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 – The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 – 4-Digit Code of Postsecondary Institutions. • 26 – Statistics of Canada List of Postsecondary Institutions. • 27 – Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 – Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 – Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 – U.S. Federal Tax Identification Number. • 31 – Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 – U.S. Federal Employer Identification Number (FEIN). • 33 – National Association of Insurance Commissioners Company Code (NAIC). • 34 – Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 – Statistics Canada Canadian College Student Information System Institution Codes • 36 – Statistics Canada University Student Information System Institution Codes. • 37 – Society of Property Information Compilers and Analysts (SPICA). • 38 – The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM – Association Mexicana delCodigo de Producto (AMECOP) Communication ID. • NR – National Retail Merchants Association (NRMA) - Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined. <p>All X12 sender identifier type qualifiers in ISA05 are supported.</p>	
		ISA05			1...1	2/2		07

Input Element						Occurs	Length	Description	Examples
	ISA06					1...1	15/15	Required. ISA interchange sender identifier.	7777776067344

Input Element					Occurs	Length	Description	Examples
							<p>Required. Interchange receiver partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 – Duns (Dun & Bradstreet). • 02 – Standard Carrier Alpha Code. • 03 – Federal Maritime Commission. • 04 – International Air Transport Association. • 07 – Global Location Number (GLN). • 08 – UCC EDI Communications ID (Comm ID). • 09 – X.121 (CCITT). • 10 – Department of Defense (DoD) Activity Address Code. • 11 – Drug Enforcement Administration identifier. • 12 – Telephone Companies. • 13 – Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 – Duns Plus Suffix. • 15 – Petroleum Accountants Society of Canada Company Code. • 16 – DINS Number With 4-Character Suffix. • 17 – American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 – Association of American Railroads (AAR) Standard Distribution Code. • 19 – EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 – Health Industry Number (HIN). • 21 – Integrated Postsecondary Education Data System. • 22 – Federal Interagency Commission on Education, or FICE. • 23 – National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 – The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 – 4-Digit Code of Postsecondary Institutions. • 26 – Statistics of Canada List of Postsecondary Institutions. • 27 – Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 – Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 – Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 – U.S. Federal Tax Identification Number. • 31 – Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 – U.S. Federal Employer Identification Number (FEIN). • 33 – National Association of Insurance Commissioners Company Code (NAIC). • 34 – Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 – Statistics Canada Canadian College Student Information System Institution Codes • 36 – Statistics Canada University Student Information System Institution Codes. • 37 – Society of Property Information Compilers and Analysts (SPICA). • 38 – The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM – Association Mexicana delCodigo de Producto (AMECOP) Communication ID. • NR – National Retail Merchants Association (NRMA) - Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined. <p>All X12 receiver identifier type qualifiers in ISA07 are supported.</p>	
		ISA07			1...1	2/2		01

Input Element						Occurs	Length	Description	Examples
	ISA08					1...1	15/15	Required. ISA interchange receiver ID.	888888404358877
	ISA09					1...1	6/6	Required. Interchange date in 6 char date format YYMMDD	231020
	ISA10					1...1	4/4	Required. Interchange time in 4 char time format HHMM	1420
	ISA11					1...1	1/1	Required. The value of this element is dependent on X12 version. <ul style="list-style-type: none"> • 004012: Interchange control standards identifier. Valid value is U. • 004020 and later: Repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different from the data element separator, component separator, and segment terminator. 	^
	ISA12					1...1	5/5	Required. Interchange control version number. This could be any X12 version beginning with 004012 and later. Version 004010 and earlier are not supported by this instance of the 853.	00501
	ISA13					1...1	9/9	Required. ISA interchange control number.	0000000000619827
	ISA14					1...1	1/1	Required. Interchange level acknowledgment requested. Valid values: <ul style="list-style-type: none"> • 0 - No acknowledgment requested • 1 - Interchange level acknowledgment requested 	0
	ISA15					1...1	1/1	Required. Indicates whether the interchange is for production, test, or information purposes. Valid values: <ul style="list-style-type: none"> • I - Information • P - Production data • T - Test data 	P
	ISA16					1...1	1/1	Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.	>
GS						1...*	-	Required. GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	-
	GS01					1...1	2/2	Required. GS group function code. Valid value is RI - Routing and Carrier Instruction message X12 853.	CF
	GS02					1...1	2/15	Required. Application sender's code in the group envelope.	2222224043588
	GS03					1...1	2/15	Required. Application receiver's code in the group envelope.	TRACELINK
	GS04					1...1	8/8	Required. Group envelope date value in date format YYYYMMDD.	20241020
	GS05					1...1	4/8	Required. Group envelope time value in time format HHMM or HHMMSS.	142000
	GS06					1...1	1/9	Required. Group control identifier.	619827
	GS07					1...1	1/2	Required. Responsible Agency Code. Valid values: <ul style="list-style-type: none"> • T - Transportation Data Coordinating Committee (TDCC) • X - X12 Accredited Standards Committee 	X
	GS08					1...1	1/12	Required. X12 message version code. This could be any X12 version beginning with 004012. Version 004010 and earlier are not supported by this instance of the 853.	005010
ST						1...*	-	Required. ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
	ST01					1...1	3/3	Required. Transaction set identifier code.	844
	ST02					1...1	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	0001
	BAA					1...1	-	Required. Product Transfer Account Request beginning segment. Note: there is no transaction identifier in BPA.	-

Input Element						Occurs	Length	Description	Examples
		BAA01				1...1	2/2	Required. Transaction set purpose code. Valid values: <ul style="list-style-type: none"> • 00 - ORIGINAL • 15 - RESEND • 18 - REISSUE • 41 - CORRECTED/VERIFIED • 05 - REPLACE • 45 - FOLLOWUP 	00
		BAA02				1...1	2/2	Required. Adjustment transaction type code. Valid values: <ul style="list-style-type: none"> • CR - Credit Memo • DR - Debit Memo • RA - Credit Request • DU - Duplicate • RC - Price Quote Request 	CR
		BAA03				1...1	8/8	Required. Account Adjustment Date.	20240919
		BAA04				0...1	2/3	Reference identification qualifier for contract number.	AM
		BAA05				0...1	1/80	Reference identification number for contract number	1234C
	REF					0...12	-	REF reference segment for mapping to handle resubmission.	-
		REF01				1...1	2/3	Required. Reference identification qualifier for resubmission of adjustment request. Valid value is RX - Resubmit Number	RX
		REF02				0...1	1/80	Reference identifier value: Contract class identifier.	S340B
		REF03				0...1	1/80	Description defined by qualifier code in REF02.	sub-340B
	CUR					0...1	-	Currency code info for payment record in Product Transfer Account Request/status.	-
		CUR01				1...1	2/3	Required. Entity identifier code for an organization, physical location, property or individual for use of the currency. Valid value: <ul style="list-style-type: none"> • SE - Selling party currency • BY - Buying party (Purchaser) currency 	SE
		CUR02				1...1	3/3	Required. Standard ISO currency code for the country in which the payments are specified.	USD
		CUR03				0...1	4/10	Exchange rate value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	-
	N1					0...1	-	Required. Instance 1 of the N1 name segment loop for the Purchasing group(customer or buyer) party information extended with dates and reference identifiers.	-
		N101				1...1	2/3	Required. Entity qualifier for the Customer or Buyer party identifier and address information. Valid values: <ul style="list-style-type: none"> • BG - Purchasing Group party • BY - Customer party • SU - Supplier party • MF - manufacturer party • DS - Distributor party • DB - Distributor branch 	BG
		N102				0...1	1/60	Name.	Pharma customer

Input Element						Occurs	Length	Description	Examples
		N103				0...1	1/2	Required. Identifier code qualifier. Valid values: <ul style="list-style-type: none"> • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number 	UL
		N104				0...1	2/80	Required. Buyer party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013655
		N3				0...1	-	N3: Address: Child of purchasing group (buyer party) N1 name segment.	-
		N301				1...1	1/55	Required. Street address 1.	555 Neelan Road
		N302				0...1	1/55	Street address 2.	Suite 123
		N4				0...1	-	N4: Geographic Location. Child of purchasing party N1 name segment.	-
		N401				0...1	2/30	City name.	Sacramento
		N402				0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
		N403				0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
		N404				0...1	2/3	Country code.	US
		PER				0...3	-	Contact Information.	-
		PER01				1...1	2/2	Required. Contact function code identifying major duty or responsibility of person or group named as contact. Valid value is AJ = Primary contact	AJ
		PER02				0...1	1/80	Name of the contact person responsible for authenticating the pedigree information.	John Smith
		PER03				0...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid values: <ul style="list-style-type: none"> • TE - Telephone number • EM - email address 	TE
		PER04				0...1	1/2048	Communication number: <ul style="list-style-type: none"> • Telephone number of the contact person expected in this field. • Email address of the contact person. 	+1.516.747.6849
		PER05				0...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid value: <ul style="list-style-type: none"> • TE - Telephone number • EM - email address 	EM
		PER06				0...1	1/2048	Communication number: <ul style="list-style-type: none"> • Email address for the contact person expected in this field. • Telephone number of the contact person. 	jsmith@manufac.com
		REF				0...*	-	REF reference segment for mapping to the electronic payment identifier.	-
		REF01				1...1	2/3	Required. Transaction reference type for X12 segments REF and N9 and EDIFACT RFF for general reference data that is not a transaction document identifier. HDA mapping for Product Transfer Account Request in N1 party loop for buying group only. Valid value is CT	-
		REF02				0...1	1/80	Transaction reference identifier value as defined by enum in transactionReferenceType. HDA: Contract header type code defining identifier/description in description attribute (REF03).	-
	CON Loop					1...*	-	Required. Contract Number details loop for specifying contract reference number and status.	-

Input Element						Occurs	Length	Description	Examples
		CON01				1...1	2/3	Required. Reference identification qualifier Transaction reference type for X12 segments REF and N9 and EDIFACT RFF for general reference data that is not a transaction document identifier. HDA mapping. Valid value is VC - Vendor/Supplier contract number	VC
		CON02				1...1	1/80	Required. Reference identification id, Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier vendor or supplier contract id.	12312LS
		CON03				1...1	2/2	Required. Contract current status code valid values: • • QC - Original contract • • VA - Valid open contract	VA
		REF				0...12	-	REF reference segment loop for contract number reference in CON loop group.	-
		REF01				1...1	2/3	Required. Reference identification qualifier for resubmission of adjustment request. Valid value is L1 - Letters or notes	L1
		REF02				0...1	1/80	Reference identifier value: Contract class identifier.	S340B
		REF03				0...1	1/80	Description defined by qualifier code in REF02.	sub-340B
		DTM				0...10	-	DTM date segment for contract reference dates in CON loop.	-
		DTM01				1...1	3/3	Required. Date type qualifier for the contract reference dates in CON loop.	-
		DTM02				0...1	8/8	Processing date in date format YYYYMMDD.	-
		DTM03				0...1	4/8	Processing time in time format HHMMSS.	-
		N1				0...1	-	Required. The CON-N1 name segment loop for the customer party information extended with sales item and reference identifiers. HDA usage note: This N1 loop at the Detail Level in the CON loop is required to identify eligible customers belonging to sales item information for which account adjustment to be made.	-
		N101				1...1	2/3	Required. Entity qualifier for the Customer or Buyer party identifier and address information. Valid values: • • BY - Buyer party • • ST - Ship to party • • EC - Intermediate contract party • • BG - Purchasing Group party	BY
		N102				0...1	1/60	Name.	Pharma customer
		N103				0...1	1/2	Required. Identifier code qualifier. Valid values: • • 1 - DUNS • • 9 - DUNS+4 • • 11 - Drug Enforcement Agency registration number • • 21 - Health Industry Number • • 91 - Company identifier • • 92 - Company location identifier • • UL - Global Location Number	93
		N104				0...1	2/80	Required. Buyer party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013655
		N3				0...1	-	N3: Address: Child of customer party N1 name segment.	-
		N301				1...1	1/55	Required. Street address 1.	555 Neelan Road
		N302				0...1	1/55	Street address 2.	Suite 123
		N4				0...1	-	N4: Geographic Location. Child of customer party N1 name segment.	-
		N401				0...1	2/30	City name.	Sacramento
		N402				0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
		N403				0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833

Input Element					Occurs	Length	Description	Examples
				N404	0...1	2/3	Country code.	US
			REF		0...12	-	Instance 2 of the REF reference segment for mapping to other reference identifiers	-
			REF01		1...1	2/3	Required. Reference information for identifiers that are not related to transaction documents. HDA mapping. Valid values: <ul style="list-style-type: none"> • 2U - Payer Identification Number used for covered entity • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • L1 - Letters or Notes • LU - GS1-US Global Location Number (GLN) • X8 - SECONDARYTRADECLASS • ACD - PRIMARYCLASS • P7 - Product Line Number • P0 - Purchase Order 	1W
			REF02		0...1	1/80	Transaction reference identifier value as defined by enum in transactionReferenceType.	AC
			REF03		0...1	1/80	A free-form description to clarify the related data elements and their content. HDA: Identifier or description defined by qualifier code in transactionReferenceIdentifier (REF02).	Acute Care
			SII		0...*	-	Required. SII segment in CON-N1-SII loop. To specify line item information related to a sale of an item for account adjustment request.	-
			SII01		1...1	2/2	Required. Product code qualifier for sales item in CON-N1-SII loop. Valid values: <ul style="list-style-type: none"> • BP - CUSTOMER • VN - SUPPLIER • UK - GTIN14 • UP - UPC • UX - UPN (universal product number) • MF - MANUFACTURER • N1 - US_NDC442 • N2 - US_NDC532 • N3 - US_NDC541 • N4 - US_NDC542 • N5 - US_NHRIC55 • N6 - US_NHRIC64 • NH - US_NHRIC - Elizabeth • ND - National Drug Code 	ND
			SII02		1...1	1/90	Required. Identifying number for a product or service.	123422
			SII03		1...1	1/15	Required. Total quantity of sold item included into account adjustment request.	10

Input Element					Occurs	Length	Description	Examples
							Required. Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. Valid values <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	
				SII04-01	1...1	2/2		EA
				SII05	0...1	1/17	Required. Wholesale unit price type code.	5.98
				SII06	0...1	1/17	Required. contract unit price type code.	6.98
				SII07	0...1	1/18	Required. Monetary amount.	20.76
			N9		0...1	-	Required. Reference information for identifiers that are related to transaction documents. This group would map to X12 segments N9 for information may be related to transaction documents.	-

Input Element						Occurs	Length	Description	Examples
					N901	1...1	2/3	Required. Transaction reference qualifier for contract account adjustment request CON-N1-SII loop. Valid value is DI - Distributor Invoice	DI
					N902	0...1	1/80	Required. Transaction reference identifier value as defined by enum in transactionReferenceType. Pass thru X12 mapping.	4567892
					N903	0...1	1/45	Identifier or description defined by qualifier code in transactionReferenceIdentifier, widely used for Order date references as per HDA usage guideline.	123422ABCD
					N904	0...1	8/8	Transaction reference date related to product transfer account adjustment request. HDA Usage: This date must be the original date of sale rather than the invoice date because an 844 can be sent to a manufacturer more than once.	20251031
					N905	0...1	4/8	Contract date in date format YYYYMMDD.	-
					N906	0...1	2/2	Contract time code.	-
					N907-01	1...1	2/3	Required. Transaction reference qualifier for contract account adjustment request CON-N1-SII loop. Valid values: • L1 - Letters or Notes • P7 - PRODUCTLINENUMBER • SE - Serial Number	L1
					N907-02	1...1	1/80	Required. Transaction reference identifier value as defined by enum in transactionReferenceType. Pass thru X12 mapping.	4567892
		PAD				0...*	-	Product adjustment detailed group. Adjustments with reason codes but without reference to an invoice.	-
			PAD01			0...1	1/20	The line item number restarts and resets to 1 for each new loop of the canonicalPriceAuthorizationItemDetails array.	1
			PAD02			0...1	2/2	Product transfer type code, valid mappings are: • SD - Ship and Debit Sale • SS - Stock sale • DS - Ship drop sale • CS - Contract sale • BR - Exchange • BN - Return	SD
			PAD03			0...1	2/2	Change or response type code specifying the type of change recorded in the product adjustment details loop. Valid values: • AI - Add additional items • CA - Changes to line items • CT - Change dates • DI - Delete items • OA - Original confirmation of revised announcement • OC - Original confirmation of original announcement • PC - Price change • RB - Replace all dates • RE - Replacement item	AI
			LIN			0...1	-	Item identification segment in CON-PAD, one segment per PAD.	-
				LIN01		0...1	1/20	Line item identification.	0001

Input Element						Occurs	Length	Description	Examples
				LIN02		1...1	2/2	Required. Product service ID qualifier mapping from global standards enum list. Valid values: <ul style="list-style-type: none"> • BP - CUSTOMER • VN - SUPPLIER • UK - GTIN14 • UP - UPC • UX - UPN (universal product number) • MF - MANUFACTURER • N1 - US_NDC442 • N2 - US_NDC532 • N3 - US_NDC541 • N4 - US_NDC542 • N5 - US_NHRIC55 • N6 - US_NHRIC64 • NH - US_NHRIC) - Elizabeth • ND - National Drug Code 	ND
				LIN03		1...1	1/80	Required. Product or service identifier.	08202000230
			UIT			0...20	-	Item unit data information such as shipping, ordering. CON-PAD-UIT	-
				UIT01		1...1	-	Required. -	-
				UIT01.1		1...1	2/2	Required. Unit of measure for recorded product in adjustment. Valid values: <ul style="list-style-type: none"> • UN (HDA) • EA • CA 	UN
				UIT02		0...1	1/17	Item unit price.	12.10
				UIT03		0...1	2/2	Code identifying the type of unit price. Valid values: <ul style="list-style-type: none"> • CT - Contract • WH - Wholesale 	CT
			QTY			0...5	-	To specify quantity information, for CON-PAD loop.	-
				QTY01		1...1	2/2	Required. Quantity type qualifier. Valid value is 39 - Shipped Quantity	39
				QTY02		0...1	1/15	Numeric value of quantity.	10

Input Element					Occurs	Length	Description	Examples
							Required. To identify a composite unit of measure. Valid values <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	
			QTY03.1		1...1	2/2		EA
			DTM		0...10	-	DTM date segment in CON-PAD loop.	-
				DTM01	1...1	3/3	Required. Date type qualifier for contract dates in CON-PAD-DTM loop. Valid value is 011 - SHIPPED	011
				DTM02	0...1	8/8	Contract date in date format YYYYMMDD.	20240628
				DTM03	0...1	4/8	Contract time in time format HHMMSS.	-
			REF		0...12	-	Instance of the REF reference segment for mapping to other reference identifiers	-

Input Element						Occurs	Length	Description	Examples
				REF01		1...1	2/3	Required. Reference information for identifiers that are not related to transaction documents. HDA mapping. Valid values: <ul style="list-style-type: none"> • DI - Distributor Invoice • P0 - Purchase Order • LI - Sellers Identifier 	DI
				REF02		0...1	1/80	Transaction reference identifier value as defined by enum in transactionReferenceType.	45678
				REF03		0...1	1/80	A free-form description to clarify the related data elements and their content.	-
	AMT					0...5	-	Required. AMT-To indicate the total monetary amount.	-
		AMT01				1...1	1/3	Required. Qualifier to specify the type of amount. Valid values: <ul style="list-style-type: none"> • CC - Chargeback claim • CE - Claim Summary • CH - Change claim • CQ - Net claim 	CC
		AMT02				1...1	1/18	Required. Monetary amount	20.78
		AMT03				0...1	1/1	Credit or debit boolean. Only populated if identified. HDA optional value. Valid values: <ul style="list-style-type: none"> • C - Credit • D - Debit 	C
	CTT					0...1	-	Required. CTT-Transaction Totals.	-
		CTT01				1...1	1/6	Required. Total number of line items in the transaction set.	15
SE						1...1	-	Required. ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
	SE01					1...1	1/10	Required. Total count of segments in ST ... SE transaction set including ST and SE segments.	10
	SE02					1...1	4/9	Required. Transaction set control number.	0001
GE						1...1	-	Required. GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
	GE01					1...1	1/6	Required. Number of transaction sets in functional group.	5
	GE02					1...1	1/9	Required. Functional group control number.	619827
IEA						1...1	-	Required. ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
	IEA01					1...1	1/5	Required. Number of functional groups in interchange.	1
	IEA02					1...1	9/9	Required. Interchange control number.	0000000000619827



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