



The Global Network for B2B Integration in High Tech Industries

Transaction Set

812

Credit/Debit Adjustment

Functional Group ID = CD
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 Credit/Debit Adjustment Transaction Set (812) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to notify a trading partner of an adjustment or billback and may be used to request an adjustment or billback. It identifies and contains the details and amounts covering exceptions, adjustments, credits, or debits for goods or services. This transaction set is multi-directional between trading partners.

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 475 Credit/Debit Adjustment Number changed from 16 to 22.
- Max length of DE 610 Amount changed from 9 to 15.
- 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

812 Credit/Debit 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	BCD	Beginning Credit/Debit Adjustment	M	1		n1
	030	CUR	Currency	O	1		
	040	N9	Reference Identification	O	>1		
Not Used	050	PER	Administrative Communications Contact	O	>1		
Not Used	060	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
Not Used	070	DTM	Date/Time Reference	O	>1		
Not Used	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	SHD	Shipment Detail	O	>1		n2
Not Used	097	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
						LOOP ID – N1	200
Must Use	100	N1	Name	M	1		
	110	N2	Additional Name Information	O	2		
	120	N3	Address Information	O	2		
	130	N4	Geographic Location	O	1		
Not Used	140	N9	Reference Identification	O	12		
	150	PER	Administrative Communications Contact	O	3		
Not Used	152	AMT	Monetary Amount	O	10		
						LOOP ID – LM	10
Not Used	155	LM	Code Source Information	O	1		
Not Used	156	LQ	Industry Code	M	100		
						LOOP ID – FA1	>1
Not Used	160	FA1	Type of Financial Accounting Data	O	1		
Not Used	170	FA2	Accounting Data	M	>1		

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 – CDD	>1
	160	CDD	Credit/Debit Adjustment Detail	O	1		
	170	LIN	Item Identification	O	1		
Not Used	180	PO4	Item Physical Details	O	1		
Not Used	190	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	200	N9	Reference Identification	O	>1		
Not Used	204	DTM	Date/Time Reference	O	5		
						LOOP ID – LM	10
Not Used	205	LM	Code Source Information	O	1		
Not Used	206	LQ	Industry Code	M	100		
						LOOP ID – N11	>1



Not Used	210	N11	Store Number	O	1
Not Used	220	AMT	Monetary Amount	O	10
Not Used	230	PCT	Percent Amounts	O	2
LOOP ID - N1					>1
Not Used	240	N1	Name	O	1
Not Used	250	AMT	Monetary Amount	O	10
Not Used	260	PCT	Percent Amounts	O	2
Must Use	270	SE	Transaction Set Trailer	M	1

Transaction Set Notes

1. BCD05 indicates whether the net of the detail is a credit or a debit.
2. SHD is used to indicate shipment detail relative to credit or debit of returned product.

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 812 Credit/Debit 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: **BCD** Beginning Credit/Debit Adjustment

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To transmit identifying dates and numbers for the transaction set and indicate the monetary value to the receiver of the transaction

- Syntax Notes:**
- 1 At least one of BCD07 BCD10 or BCD14 is required.
 - 2 If either BCD13 or BCD14 is present, then the other is required.

- Semantic Notes:**
- 1 BCD01 is the credit/debit adjustment date.
 - 2 BCD04 is the net amount of this complete transaction.
 - 3 BCD06 is the invoice date.
 - 4 BCD09 is the purchase order date.

- Comments:**
- 1 If using BCD07 or BCD10, do not use BCD14 to identify invoice number or purchase order number.
 - 2 For BCD11, only codes 00, 05, 06, 07, and 15 are permitted to be used.

Notes: This table summarizes how the BCD12, BCD13, BCD14 and N902 should be used in various scenarios:

	BCD12	BCD13	BCD14	N902
Seller debit memo	DR	CM	Buyer Invalid CM No.	Buyer DM No.
Credit Memo	CR	RZ or PI	Auth No.	Buyer DM No.
Request for credit	RA			Buyer DM No.
Buyer/Seller billback	CR	DB	Auth No.	Buyer DM No.
Price adjustment	CR			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BCD01	373	Date	M DT 8/8
Must Use	BCD02	475	Credit/Debit Adjustment Number	M AN 1/22

Number assigned by issuer of a credit or debit memo
 This is a unique reference number identifying a specific credit or debit memo.



Must Use	BCD03	305	Transaction Handling Code	M	ID 1/2
			Code designating the action to be taken by all parties		
			D Make Payment Only		
			E Debit/Credit Advice with Remittance Detail		
			J Payment Requested (Adjustment to Account)		
			K Reimbursement to Follow		
			L Apply on Account		
			O Deduct from Next Remittance		
			P Prenotification of Future Transfers		
			Q Credit Due, Payment Being Issued		
			S Single Debit Authorization		
			U Split Payment and Remittance		
Must Use	BCD04	610	Amount	M	N2 1/15
			Monetary amount		
			Monetary total of the individual memo line items. The total line item amount is found in CDD04.		
Must Use	BCD05	478	Credit/Debit Flag Code	M	ID 1/1
			Code indicating whether amount is a credit or debit		
			C Credit		
			D Debit		
	BCD06	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
	BCD07	76	Invoice Number	X	AN 1/22
			Identifying number assigned by issuer		
	BCD08	424	Vendor Order Number	O	AN 1/22
			Number assigned by a vendor referencing a particular customer purchase order		
	BCD09	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
	BCD10	324	Purchase Order Number	X	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
	BCD11	353	Transaction Set Purpose Code	O	ID 2/2
			Code identifying purpose of transaction set		
			EDIFICE Usage: Required.		
			00 Original		
			05 Replace		
			06 Confirmation		
			07 Duplicate		
			15 Re-Submission		
	BCD12	640	Transaction Type Code	O	ID 2/2
			Code specifying the type of transaction		
			EDIFICE Usage: Required.		
			CR Credit Memo		
			DR Debit Memo		
			RA Request for Credit		



BCD13 128 Reference Identification Qualifier X ID 2/3

Code qualifying the Reference Identification
EDIFICE Usage: Required.

If this is a debit memo responding to invalid taking of credit deduction (BCD12=DR), then BCD13 should equal "CM" and BCD14 should equal the invalid credit memo number submitted by buyer.

- CM Buyer's Credit Memo
- DB Buyer's Debit Memo
- PI Price List Change or Issue Number
- RZ Returned Goods Authorization Number

BCD14 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
EDIFICE Usage: Required.

BCD13 and BCD14 are intended to convey authorization numbers from seller to buyer indicating that the credit is valid and may be applied to balance owed seller.

Not
Used

BCD15 306 Action Code O ID 1/2

Code indicating type of action
Refer to 004010 Data Element Dictionary for acceptable code values.



Segment: **CUR** Currency

Position: 030

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

- Syntax Notes:**
- 1 If CUR08 is present, then CUR07 is required.
 - 2 If CUR09 is present, then CUR07 is required.
 - 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
 - 4 If CUR11 is present, then CUR10 is required.
 - 5 If CUR12 is present, then CUR10 is required.
 - 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
 - 7 If CUR14 is present, then CUR13 is required.
 - 8 If CUR15 is present, then CUR13 is required.
 - 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
 - 10 If CUR17 is present, then CUR16 is required.
 - 11 If CUR18 is present, then CUR16 is required.
 - 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
 - 13 If CUR20 is present, then CUR19 is required.
 - 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: EDIFICE USAGE: Depending.

The Electronics Industry recommends that currency be used at header level only. EDIFICE recommends that this segment only be used when sending invoices not in U.S. dollars.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CUR01	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	
			PE Payee	
			PR Payer	
Must Use	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
Not Used	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	



Not Used	CUR04	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.	
Not Used	CUR05	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
Not Used	CUR06	669	Currency Market/Exchange Code	O ID 3/3
			Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR07	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR08	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR09	337	Time	O 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	CUR10	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR11	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR12	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	CUR13	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	



Not Used	CUR14	373	Date	X DT 8/8
Not Used	CUR15	337	Date expressed as CCYYMMDD Time	X TM 4/8
Not Used	CUR16	374	Date/Time Qualifier	X ID 3/3
Not Used	CUR17	373	Date	X DT 8/8
Not Used	CUR18	337	Date expressed as CCYYMMDD Time	X TM 4/8
Not Used	CUR19	374	Date/Time Qualifier	X ID 3/3
Not Used	CUR20	373	Date	X DT 8/8
Not Used	CUR21	337	Date expressed as CCYYMMDD Time	X TM 4/8



Segment: N9 Reference Identification

Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:
 1 At least one of N902 or N903 is required.
 2 If N906 is present, then N905 is required.
 3 If either C04003 or C04004 is present, then the other is required.
 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
 1 N906 reflects the time zone which the time reflects.
 2 N907 contains data relating to the value cited in N902.

Comments:
Notes: EDIFICE Usage: Advised.
 This segment is used to convey the buyer debit memo number when available. The segment is omitted if the buyer debit memo number is not known.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification DB Buyer's Debit Memo	
	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Required by EDIFICE.	
			This field holds the buyer debit memo number if available.	
Not Used	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
Not Used	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	N905	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	N906	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	N907	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: N1 Name

- Position:** 100
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- 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 payer and one for the payee. 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 PE Payee PR Payer	
	N102	93 Name	X AN 1/60
		Free-form name	
		EDIFICE USAGE: Advised.	
	N103	66 Identification Code Qualifier	X ID 1/2
		Facilitates audits and/or research.	
		Code designating the system/method of code structure used for Identification Code (67)	
		Required by EDIFICE.	
		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 Code identifying a party or other code EDIFICE USAGE: Advised.	X	AN 2/80
			The number that identifies the location.		
Not Used	N105	706	Entity Relationship Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	N106	98	Entity Identifier Code 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: 110

Loop: N1 Mandatory

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: 120
Loop: N1 Mandatory
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:** 130
- Loop:** N1 Mandatory
- 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: 150
Loop: N1 Mandatory
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's organization should be provided at the header level.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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: CDD Credit/Debit Adjustment Detail

- Position:** 160
- Loop:** CDD Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To provide information relative to a line item adjustment
- Syntax Notes:**
 - 1 At least one of CDD04 or CDD07 is required.
 - 2 If CDD07 is present, then CDD11 is required.
 - 3 If either CDD07 or CDD08 is present, then the other is required.
 - 4 If either CDD10 or CDD11 is present, then the other is required.
 - 5 If either CDD12 or CDD13 is present, then the other is required.
- Semantic Notes:**
 - 1 CDD05 is the code indicating whether adjustment is for returned goods. A "Y" confirms that the adjustment is for returned goods.
- Comments:**
 - 1 If comparison pricing is used, then CDD12 and CDD13 are required.
- Notes:** EDIFICE Usage: Required.

Where Issuance of, or requesting credit is based on a difference in product/service unit price, then three unit prices are required: difference, prior and revised. In addition CDD12/CDD13 is required. For product returns and one time credits CCD10/CDD11 should be used.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	CDD01	426 Adjustment Reason Code	M ID 2/2
		Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	
		01 Pricing Error	
		04 Item Not Accepted – Damaged	
		06 Quantity Contested	
		07 Incorrect Product	
		19 Duplicate Billing	
		30 Delivery Charge Incorrect	
		44 Required Documents Missing	
		This code indicates that the credit memo as identified in BCD14 is invalid or missing.	
		54 Freight Deducted	
		55 Tax Deducted	
		59 Item not received	
		72 Authorized Return	
		79 Cooperative Advertising	
		81 Credit as Agreed	
		84 Deviation from Order Date (early shipment)	
		86 Duplicate Payment	
		87 Duplicate Shipment	
		99 Late Shipment of Goods	
		A2 Misshipped (Wrong Product Received)	



			A5	Overage		
			B4	Refurbishing Charge		
			B7	Restocking Charge		
			D3	Unauthorized Deduction		
			D7	Cost Associated with Reworked Material		
			E9	Order Cancelled		
Must Use	CDD02	478	Credit/Debit Flag Code		M	ID 1/1
			Code indicating whether amount is a credit or debit			
			C	Credit		
			D	Debit		
	CDD03	350	Assigned Identification		O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set				
		EDIFICE Usage: Advised.				
		Credit or debit line item number.				
CDD04	610	Amount		X	N2 1/15	
		Monetary amount				
		EDIFICE Usage: Required.				
		Extended line item total credit/debit dollar amount.				
CDD05	1073	Yes/No Condition or Response Code		O	ID 1/1	
		Code indicating a Yes or No condition or response				
		EDIFICE Usage: Required.				
		Y	Yes			
			Use to indicate that adjustment is for returned goods.			
Not Used	CDD06	417	Price Bracket Identifier		O	AN 1/3
			Identifier assigned by the vendor for a specific price bracket			
	CDD07	477	Credit/Debit Quantity		X	R 1/10
			Number of supplier units credited or debited			
			EDIFICE Usage: Depending. Required by EDIFICE when a product is involved.			
CDD08	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				
		EDIFICE Usage: Required.				
		EA	Each			
CDD09	427	Unit Price Difference		O	R 1/15	
		Per unit (case) price or allowance/charge difference between original billing and corrected amount (may be unit full list price or allowance/charge where item was not on original billing or where full credit/debit amount is being transacted, i.e., returns or contested quantities)				
CDD10	236	Price Identifier Code		X	ID 3/3	
		Code identifying pricing specification				
		EDIFICE Usage: Required.				
		INV	Invoice Billing Price			



CDD11	212	Unit Price Price per unit of product, service, commodity, etc. EDIFICE Usage: Required.	X	R 1/17
		This is the previous or old price.		
CDD12	236	Price Identifier Code Code identifying pricing specification Required by EDIFICE.	X	ID 3/3
		CHG Changed Price		
CDD13	212	Unit Price Price per unit of product, service, commodity, etc. Required by EDIFICE.	X	R 1/17
		This field contains the current, correct or revised price.		



Segment: **LIN** Item Identification

Position: 170
Loop: CDD 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: Advised.

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
			PC	Prime Contractor Part Number
			UP	U.P.C. Consumer Package Code (1-5-5-1) Used to identify Global Trade Item Number (GTIN).
			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	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			See code values under LIN02.		
	LIN05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	LIN06	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			See code values under LIN02.		
	LIN07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	LIN08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			See code values under LIN02.		
	LIN09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	LIN10	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		See code values under LIN02.			
LIN11	234	Product/Service ID	X	AN 1/48	
		Identifying number for a product or service			
LIN12	235	Product/Service ID Qualifier	X	ID 2/2	
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		See code values under LIN02.			
LIN13	234	Product/Service ID	X	AN 1/48	
		Identifying number for a product or service			
LIN14	235	Product/Service ID Qualifier	X	ID 2/2	
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		See code values under LIN02.			
LIN15	234	Product/Service ID	X	AN 1/48	
		Identifying number for a product or service			
LIN16	235	Product/Service ID Qualifier	X	ID 2/2	
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		See code values under LIN02.			
LIN17	234	Product/Service ID	X	AN 1/48	
		Identifying number for a product or service			
LIN18	235	Product/Service ID Qualifier	X	ID 2/2	
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		See code values under LIN02.			
LIN19	234	Product/Service ID	X	AN 1/48	



LIN20	235	Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code values under LIN02.	X	ID 2/2
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) See code values under LIN02.	X	ID 2/2
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) See code values under LIN02.	X	ID 2/2
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) See code values under LIN02.	X	ID 2/2
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) See code values under LIN02.	X	ID 2/2
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) See code values under LIN02.	X	ID 2/2
LIN31	234	Product/Service ID Identifying number for a product or service	X	AN 1/48



Segment: SE Transaction Set Trailer

Position: 270

Loop:

Level: Detail

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 N0 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.	

812 CREDIT/DEBIT ADJUSTMENT EXAMPLES

Example Business Scenarios

Included with the EDIFICE guidelines for the 812 Credit/Debit Adjustment transaction are a number of example business scenarios with accompanying data in the 812 EDI format. The following scenarios are included:

- 1) Credit memo issued for return of product by purchaser to the seller or supplier. A full and partial return for credit are shown.
- 2) Credit issued to Buyer for price protection.
- 3) Miscellaneous credit memo issued by seller.
- 4) Miscellaneous credit memo issued by buyer.
- 5) Seller denying buyer debit memo.

This table illustrates the values of the elements for the CCD segments for the five scenarios.

CCD SEGMENT REVIEW

	Segment Position												
	01	02	03	04	05	06	07	08	09	10	11	12	13
	Adj. Reason	Credit/Debit	Assigned ID	Amount	Return Flag	Price Bracket	Debit/Credit Quantity	Unit Measure	Unit Price Difference	Price ID Code	Unit Price	Price ID Code	Unit Price
1. Product Return													
Credit as agreed	81	C	01	123.00	Y		100	EA		INV	1.23		
Qty contested	06	C	02	98.40	Y		80	EA		INV	1.23		
2. Price Protection													
Credit as agreed	81	C	01	20.55			137	EA	.15	INV	1.23	CHG	1.08
Credit as agreed	81	C	02	102.90			294	EA	.35	INV	3.27	CHG	2.92
3. Miscellaneous Credit Memo Issued by Supplier													
Pricing Error	01	C	01	13.70			137	EA	.10	INV	1.28	CHG	1.18
Freight deducted	54	C	02	18.37					18.37	INV	34.00	CHG	15.68
4. Miscellaneous Credit Memo Issued by Buyer													
Pricing Error	01	C	01	18.37			1	EA	18.37	INV	13.70	CHG	32.07
5. Debit Memo denying credit													
Unauthorized Deduction	D3	C	01	930.20			10	EA	93.20	INV	105.68	CHG	198.70

- (A) Unit price difference is needed only when CCD11 and CCD12 are different.
- (B) CCD10 and CCD11 represent original price.
- (C) CCD12 and CCD13 represent changed price.
- (D) Note that a quantity is needed only when a product is involved in the credit or debit memo.



812 Example 1 – Product Return

This is an example of a credit adjustment sent from Seller to Buyer for product return. The seller has previously issued a return of product authorization number for two different products. In the first transaction, 100 units were authorized for return and 100 units were returned. In the second transaction, 100 units were authorized for return, but the seller counted only 80 units. Note: both products carry the same return authorization number.

HEADING AREA:	
ST*812*0001 N/L	The transaction set ID is 812; the transaction set control number is 0001.
BCD*930608*CM9813*0*23205* C*****OO*CR*RZ*X49887 N/L	This is an original credit memo dated June 8, 1993. Credit memo CM9813 for 232.05 is being issued for product returned under return authorization number X49887.
NI*PR*91*MARBLE N/L	The party issuing credit has the seller assigned code of MARBLE.
NI*PE**91*MARS N/L	The party to receive credit has the seller assigned code of MARS.
NI*DB**92*A123 N/L	Distributor branch returning the product has the buyer assigned code A123.
DETAIL – Line Item 1	
CDD*81*C*01*123*Y**100*EA**I NV*1.23 N/L	Total credit to buyer for line item 01 is 123; based on quantity returned of 100 at invoice billing price of 1.23 per unit.
LIN**VP*MBM987615P*BP*133569 2 N/L	Vendor part MBM987615P is returned by Buyer. Buyer part is 1335692.
DETAIL – Line Item 2	
CDD*06*C*02*9840*Y**BO*EA**1 .23*INV N/L	Total credit to buyer for line item 02 is 98.40; based on quantity returned of 80 at invoice billing price of 1.23 per unit. The value in CDD01 tells the Buyer that they received credit for partial return.
L1N**VP*MBM187604P*BP*91330 OA2 N/L	Vendor part is MBM 1 87604P is returned by buyer. Buyer part is 91330OA2.
SUMMARY AREA	
SE*10*0001 N/L	The number of segments for this transaction is 10 (ST through SE inclusive); the control number is 0001 (matches control number on ST segment).



812 Example 2 – Price Protection

This is an example of a credit issued for price protection. Credit is calculated based on old price, new price, quantity and product number for which a price changed. 812 transactions can be created and sent with a revised price catalog. This is particularly effective where a buyer and seller are using the price catalog 832 transaction. This is a distributor specific scenario, Buyer part numbers are not necessary

HEADING AREA:	
ST*812*0044 N/L	The transaction set ID is 812; the transaction set control number is 0044.
BCD*930719*CM9XY4*0*12345*C *****OO*CR*PI*P10001 N/L	This is an original credit memo dated July 19,1993. Credit memo CM9XY4 for 123.45 is being issued to buyer for products where price change is less then previous cost. P10001 is the identification number for the batch of price change credits that follow.
NI*PR*91*MARBLE N/L	The party issuing credit has the seller assigned code of MARBLE.
NI*PE**91*MARS N/L	The party to receive credit has the seller assigned code of MARS.
DETAIL – Line Item 1	
CDD*81*C*01*2055***137*EA*.1 5*INV*1.23*CHG*1.08 N/L	Total credit for buyer for line item 01 is 20.55; based on quantity of 137 at invoice billing price of 1.23 per unit, and changed price of 1.08. The differential price is .15.
L1N**VP*MBM987615P N/L	he vendor part is MBM987615P (Price protection strictly uses vendor parts).
DETAIL – Line Item 2	
CDD*81*C*02*10290***294*K&*. 35*INV*3.27*CHG*2.92 N/L	Total credit to Buyer for fine item 02 is 102.90; based on quantity of 294 at invoice billing price of 3.27 per unit, and changed price of 2.92. The differential price is .35.
SUMMARY AREA:	
SE*8*0044 N/L	The number of segments for this transaction is 8 (ST through SE inclusive); the control number is 0044 (matches control number on ST segment).



812 Example 3 – Miscellaneous Credit Memo Issued by Seller

This is an example of a miscellaneous credit memo transaction initiated by the seller. Line item 01 is for a pricing error on an invoice for which a credit is being issued, and line item 02 is for a credit on a freight charge. Both are for the same invoice number. If these miscellaneous credits were for different invoices, then there would be two 812 transactions, one for each invoice.

HEADING AREA:	
ST*812*0047 N/L	The transaction set ID is 812; the transaction set control is 0047.
BCD*930619*CM9444*0*3207*C* *IV9876****00*CR** N/L	This is an original credit memo dated June 19,1993. Credit memo CM9444 for 32.07 is being issued to buyer to correct billing errors on seller invoice IV9876.
NI*PR*91*MARBLE N/L	The party issuing credit has the seller assigned code of MARBLE.
NI*PE**91*MARS N/L	The party to receive credit has the seller assigned code of MARS.
NI*DB**92*A123 N/L	Distributor branch receiving the credit has the buyer assigned code of A123.
DETAIL – Line Item 1	
CDD*01*C*01*1370***137*EA*.IO *INV*1.28*CHG*1.18 N/L	Total credit to buyer for line item 01 is 13.70; based on quantity of 137 at invoice billing invoice price of 1.28 per unit. The changed price is 1.18. The differential price was.10.
LIN**VP*MBN987615P*BP*133569 2A N/L	The vendor part MBM987615P. The buyer's part is 1335692A..
DETAIL – Line Item 2	
CDD*54*C*02*1837*****EA*18.37 *1NV*34.00*CHG*15.63 N/L	Buyer is being credited for 18.37 in erroneous freight charges. The original freight charge was 34.00. The correct freight charge was 15.63 for an 18.37 credit.
SUMMARY AREA:	
SE*9*0047 N/L	The number of segments for this transaction is 9 (ST through SE inclusive); the control number is 0047 (matches control number on ST segment).



812 Example 4 – Miscellaneous Credit Memo Issued by Buyer

This is an example of a buyer requesting a billing adjustment for a pricing error on an invoice. The buyer is requesting an additional amount of 18.37 on line item one.

HEADING AREA:	
ST*812*0047 N/L	The transaction set ID is 812; the transaction set control is 0047.
BCD*930619*CM9444*J*1837*D* *****00*** N/L	This is a buyer initiated request for credit dated June 19, 1993 for 18.37. The Credit Memo is CM9444.
NI*PR*91*MARBLE N/L	The party issuing credit has the seller assigned code of MARBLE.
NI*PE**91*MARS N/L	The party to receive credit has the seller assigned code of MARS.
NI*DB**92*A123 N/L	Distributor branch requesting credit has the buyer assigned code of A123.
DETAIL – Line Item 1	
CDD*01*C*01*1837***I*EA*18.37 *INV*13.70*CHG*32.07 N/L	Buyer is claiming additional credit of 18.37; based on quantity of 1 at buyer claimed price of 32.07 per unit, and seller price of 13.70.
LIN**VP*MBM987615P*BP*133569 2A N/L	Adjustment was for vendor part MBM987615R The buyer part is 1335692A.
SUMMARY AREA:	
SE*8*0047 N/L	The number of segments for this transaction is 8 (ST through SE inclusive); the control number is 0047 (matches control number on ST segment).



812 Example 5- Debit Memo

This is an example of a seller denying a buyer's debit memo.

HEADING AREA:	
ST*812*0093 N/L	The transaction set ID is 812; the transaction set control is 0093.
BCD*930619*DM9444*0*93020* D*****00 N/L	Buyer debit memo date June 19, 1993. Debit memo DM9444 for 930.20 is being denied by seller.
NI*PR*91*MARBLE N/L	The party denying the debit has the seller assigned code of MARBLE.
N1*PE**91*MARS N/L	The party denied has the seller assigned code of MARS.
NI*DB**92*A1234 N/L	Distributor branch A1234 requesting credit.
DETAIL - Line Item 1	
CDD*D3*C*01*93020***10*EA*93 .02*INV*105.68*CHG*198.70 N/L	Buyer is claiming additional credit of 930.02 based on quantity of 10 at buyer claimed price of 198.70 per unit, and seller price of 105.68. The differential price is 93.02.
L1N**VP*MBM987615P*BP*13356 92A N/L	Adjustment was for vendor part MBM987615P. Buyer part is 1355692A.
SUMMARY AREA:	
SE*8*0093 N/L	The number of segments for this transaction is 8 (ST through SE inclusive); the control number is 0093 (matches control number on ST segment).