



# EDIPro Draft

## EDI 180 Return Merchandise Authorization and Notification (ASC X12 Version 4 Release 1)

This document contains an outline of common business issues for consideration when implementing the EDI 180 Return Merchandise Authorization and Notification for ASC X12 Version 4010. It is the intent of this document to act as an addendum to the ASC X12 EDI Standards documentation; and as such contains only those segments and elements used within the Electro Industry.

### 180 Return Merchandise Authorization and Notification

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## ***Business Issues***

### ***Usage***

Both the buyer and the seller may use this transaction. The buyer uses it to request authorization to return merchandise; and to communicate that a return is in progress. The seller uses this transaction to grant authorization to the buyer's request to return merchandise; and also to initiate a return in a VMI environment.

- *Buyer Initiated Request to Return* - The 180 is used by the buyer to notify the seller of the desire to return merchandise, and to request a Return Merchandise Authorization number (RMA). The request would include specific information regarding the merchandise and the reason for the return. Some examples of valid reasons include but are not limited to damaged, defective, or mislabeled merchandise. While the buyer may notify the seller of the desire or intent to return merchandise, the actual return cannot be shipped until the seller provides proper authorization
- *Seller Acceptance/Rejection* - The 180 is used by the seller in response to the buyer's request to return merchandise. The seller will notify the buyer of the acceptance or rejection of a previously received request for return. In the case of an acceptance, an RMA number is assigned by the seller and transmitted to the buyer along with specific merchandise disposition information. This includes but is not limited to restocking, repair and return, or destruction of the returned merchandise.
- *Seller Initiated Returns* - The 180 is used by the seller to notify the buyer that a need for a return has been determined. Reasons for the return include but are not limited to excess inventory, discontinued products, stock adjustments, or product recall.
- *Actual Return* – The 180 is used by the buyer to transmit the details of a return after an authorization has been received.

### ***Identification of Business Location***

The DUNS + 4 number is composed of the DUNS number assigned by Dun & Bradstreet, plus (+) a 4 digit suffix number assigned by the buying organization to identify a unique location (store location, plant location, loading dock, department, etc.)

The DUNS + 4 should be used as the primary and preferred method of identifying business locations. Organizations not using the “+ 4” suffix of the DUNS number should insert four zeros in its place.

### ***Service, Promotion, Allowance, or Charge Information***

The Allowance/Charge Indicator (SAC01) rather than the sign of the amount field should be used to identify a charge or an allowance.

### ***Use of text fields***

The NTE segment is used frequently for the inclusion of text data. It is recommended that the use of this segment be restricted to free form text. This segment should not be used for specific data that could be mapped to another segment. The use of text data should be limited to information specifically agreed to between trading partners. Anytime text data is passed within a transaction, the receiving partner may have to queue the transaction into an exception process for review.

## *Units of Measure*

As a best practice this standard encourages the use of the data element 355 to describe the quantity unit of measure and the use of data element 639 to describe price unit of measure. When using the SCC-14 to identify an item, the quantity unit of measure is not required (See “Use of Shipping Container Codes SCC-14”).

Examples of Unit of Measure Usage			
Quantity	Quantity Unit of Measure	Price	Price Unit of Measure
Data element 330	Data element 355	Data element 212	Data element 639
100	EA (each)	\$5.00	PE (per each)
500	EA (each)	\$6.00	HP (per hundred)
10	BG (bag)	\$7.00	UM (per quantity unit of measure)

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**Section 2**  
**180 Return Merchandise Authorization and**  
**Notification**  
**Business Process**

This section contains business discussions about the use of the Return Merchandise Authorization and Notification. These discussions will assist in determining application changes and business process changes that may be necessary within a company.

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**Sample Business Cases:**

<b>Return Merchandise Authorization and Notification Process</b>					
<b>B U Y E R</b>	→	<b>Case 1</b>	<b>Request for Authorization to Return</b>	→	<b>S E L L E R</b>
	←	<b>Case 2</b>	<b>Authorization to Return</b>	←	
	←	<b>Case 3</b>	<b>Seller Initiated Return</b>	←	
	→	<b>Case 4</b>	<b>Notification of Return</b>	→	

**Case 1 - Request for Authorization to Return - Buyer Initiated**

To demonstrate how the Return Merchandise Authorization and Notification is sent to notify the seller of a buyer's desire to return merchandise; and to request a return merchandise authorization (RMA) number from the seller.

**Case 2 - Authorization to Return or Disposition - Seller Response to a Buyer's Request for Return**

To demonstrate how a seller would transmit the response to the buyer's request to return merchandise. This transmission may be an authorization to return, or a denial of the request to return. It would optionally contain the details associated with the physical disposition of the merchandise.

**Case 3 - Seller Initiated Return**

To demonstrate how a seller would communicate to the buyer an authorization to return, when the seller initiates the return. The reasons include but are not limited to excess and obsolete inventory, or product recall.

**Case 4 - Notification of Return - Buyer Initiated**

To demonstrate how the buyer would notify the seller that a return is in progress.

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## Section 3

# 180 Return Merchandise Authorization and Notification Segment Notes

This section contains business discussions about the use of the segments within the 180 Return Merchandise Authorization and Notification. These discussions will assist in determining application changes and business process changes that may be necessary within a company.

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<b>DTM</b>	<b>Date/Time Reference</b> .....	<b>9</b>
<b>N9</b>	<b>Reference Identification</b> .....	<b>10</b>
<b>PER</b>	<b>Administrative Communications Contact</b> .....	<b>11</b>
<b>SAC</b>	<b>Service, Promotion, Allowance, or Charge Information</b> .....	<b>13</b>
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<b>N3</b>	<b>Address Information</b> .....	<b>22</b>
<b>N4</b>	<b>Geographic Location</b> .....	<b>23</b>
<b>PER</b>	<b>Administrative Communications Contact</b> .....	<b>24</b>
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<b>PRF</b>	<b>Purchase Order Reference</b> .....	<b>38</b>
<b>DTM</b>	<b>Date/Time Reference</b> .....	<b>39</b>
<b>TD5</b>	<b>Carrier Details (Routing Sequence/Transit Time)</b> .....	<b>40</b>
<b>N1</b>	<b>Loop Name</b> .....	<b>44</b>
<b>N1</b>	<b>Name</b> .....	<b>45</b>
<b>N3</b>	<b>Address Information</b> .....	<b>46</b>
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# 180

## Return Merchandise Authorization and Notification

### Functional Group=AN

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Return Merchandise Authorization and Notification Transaction Set (180) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can provide for customary and established business and industry practice relative to the returning of merchandise to the vendor. This transaction set may satisfy request for returns, authorization or disposition of the return, notification of return, or notification of consumer return.

#### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			IDEA Req
020	BGN	Beginning Segment	M	1			IDEA Req
030	RDR	Return Disposition Reason	O	1			Used
040	PRF	Purchase Order Reference	O	1			Used
050	DTM	Date/Time Reference	O	10			Used
060	N9	Reference Identification	O	10			Used
070	PER	Administrative Communications Contact	O	2			Used
080	SAC	Service, Promotion, Allowance, or Charge Information	O	10			Used
110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10			Used
<b>LOOP ID - N1</b>					<b>200</b>		
120	N1	Name	O	1			Used
140	N3	Address Information	O	2			Used
150	N4	Geographic Location	O	1			Used
160	PER	Administrative Communications Contact	O	5			Used

#### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - BLI</b>					<b>≥1</b>	<b>N2/010L</b>	
010	BLI	Baseline Item Data	O	1		N2/010	Used
011	N9	Reference Identification	O	20			Used
030	RDR	Return Disposition Reason	O	1			Used
040	SAC	Service, Promotion, Allowance, or Charge Information	O	10			Used
042	AMT	Monetary Amount	O	>1			Used
048	NTE	Note/Special Instruction	O	>1			Used
050	PRF	Purchase Order Reference	O	1			Used
052	DTM	Date/Time Reference	O	15			Used
055	TD5	Carrier Details (Routing Sequence/Transit Time)	O	5			Used
<b>LOOP ID - N1</b>					<b>200</b>		
060	N1	Name	O	1			Used
080	N3	Address Information	O	2			Used
090	N4	Geographic Location	O	1			Used
100	PER	Administrative Communications Contact	O	5			Used
230	SE	Transaction Set Trailer	M	1			IDEA Req



**Notes:**

- 2/010L Quantity is specified either in the BLI segment (BLI03) or in the QTY segment.
- 2/010 Quantity is specified either in the BLI segment (BLI03) or in the QTY segment.

# ST

## Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** IDEA Req

**Purpose:** To indicate the start of a transaction set and to assign a control number

### EDI Example:

ST~180~0001^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	IDEA Req

**Description:** Code uniquely identifying a Transaction Set

<u>Code</u>	<u>Name</u>
180	Return Merchandise Authorization and Notification

ST02	329	Transaction Set Control Number	M	AN	4/9	IDEA Req
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

### Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# BGN

## Beginning Segment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

**User Option (Usage):** IDEA Req

**Purpose:** To indicate the beginning of a transaction set

### EDI Example:

BGN~13~01~20070604^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGN01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	IDEA Req
<b>Description:</b> Code identifying purpose of transaction set						
		<u>Code</u>	<u>Name</u>			
		11	Response			
		13	Request			
		14	Advance Notification			
		16	Proposed			
		44	Rejection			
		54	Approval			
BGN02	127	<b>Reference Identification</b>	M	AN	1/30	IDEA Req
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
BGN03	373	<b>Date</b>	M	DT	8/8	IDEA Req
<b>Description:</b> Date expressed as CCYYMMDD						
BGN04	337	<b>Time</b>	X	TM	4/8	Used
<b>Description:</b> 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)						
BGN05	623	<b>Time Code</b>	O	ID	2/2	Used
<b>Description:</b> 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						
		<u>Code</u>	<u>Name</u>			
		02	Equivalent to ISO P02			
		AT	Alaska Time			
		CT	Central Time			
		ET	Eastern Time			
		HT	Hawaii-Aleutian Time			
		LT	Local Time			
		MT	Mountain Time			
		NT	Newfoundland Time			
		PT	Pacific Time			
		TT	Atlantic Time			
BGN07	640	<b>Transaction Type Code</b>	O	ID	2/2	Used
<b>Description:</b> Code specifying the type of transaction						

		<u>Code</u>	<u>Name</u>				
		RD	Returns Detail				
BGN09	786	<b>Security Level Code</b>		O	ID	2/2	Used

**Description:** Code indicating the level of confidentiality assigned by the sender to the information following

<u>Code</u>	<u>Name</u>
00	Company Non-Classified
02	Company Confidential
06	Supplier Proprietary
11	Competition Sensitive

### Syntax Rules:

1. C0504 - If BGN05 is present, then BGN04 is required.

### Semantics:

1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

# RDR

## Return Disposition Reason

Pos: 030	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

**Purpose:** To indicate the disposition of the item, the reason for return by the returnee, the response to the reason for return, and whether the item was used

### EDI Example:

RDR~~DI~~REPLACED WITH NEWER PART^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
RDR01	1292	Returns Disposition Code	O	ID	2/2	Used

**Description:** Code indicating the disposition of a contested item

<u>Code</u>	<u>Name</u>
DI	Dispose
KA	Keep with an Allowance
KR	Keep and Repair
MW	Manufacturer Warranty Service
RA	Return with Authorization Number
RD	Request Denied
RF	Return for Factory Repair
RT	Ship to Third Party
SC	Ship to Third Party for Charitable Contribution
SD	Ship to Third Party for Disposal

RDR02	1293	Return Request Reason Code	X	ID	2/2	Used
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**Description:** Code indicating the reason for the return from the party returning, or requesting to return, the items

<u>Code</u>	<u>Name</u>
CO	Customer Ordering Error
CV	Color Variance
DA	Damaged Product
DI	Discontinued Product
DM	Defective Merchandise or Store Inspection
DP	Defective Packaging
DR	Defective Merchandise or Returned by Consumer
DT	Damaged In Transit
EI	Excess Inventory
NA	Not as Expected
PE	Price Error
PR	Product Recall
SM	Samples
SP	Shipped past Cancel Date
SR	Stock Reduction Agreement
ST	Style Problem
TE	Termination
WG	Wrong Goods or Not Ordered

RDR03	1294	Return Response Reason Code	X	ID	2/2	Used
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**Description:** Code indicating the response to a request to return items

<u>Code</u>	<u>Name</u>
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FR	Freight or Retailer Damage
IN	Item not Defective
IO	Item as Ordered
NR	No Record of Original Sale
OS	Out of Season or Discontinued Line Item
PC	Pricing or Cost Difference
QD	Quantity Difference
RR	Repair or Refurbish
RT	Return Time Limit Exceeded or Beyond Warranty Period
SR	Sample Requested
UI	Unidentifiable Item

RDR04	352	<b>Description</b>	O	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						
RDR05	1073	<b>Yes/No Condition or Response Code</b>	O	ID	1/1	Used
<b>Description:</b> Code indicating a Yes or No condition or response						
<b>All valid standard codes are used.</b>						

**Syntax Rules:**

1. E0203 - Only one of RDR02 or RDR03 may be present.

**Semantics:**

1. RDR05 contains code "Y" if the item has been used and code "N" if the item has not been used.

# PRF

## Purchase Order Reference

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To provide reference to a specific purchase order

### EDI Example:

PRF~092123456~1~~20070115\*3^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	<b>Purchase Order Number</b>	M	AN	1/22	IDEA Req
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
PRF02	328	<b>Release Number</b>	O	AN	1/30	Used
		<b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				

### Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

# DTM

## Date/Time Reference

Pos: 050	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

### EDI Example:

DTM~011~20070131^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	IDEA Req
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		004	Purchase Order			
		011	Shipped			
		106	Required By			
DTM02	373	Date	X	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						

### Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.



# N9

## Reference Identification

Pos: 060	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

### EDI Example:

N9~QJ~RMA12345^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	IDEA Req

**Description:** Code qualifying the Reference Identification

#### Code

#### Name

97	Package Number
BM	Bill of Lading Number
CN	Carrier's Reference Number (PRO/Invoice)
DB	Buyer's Debit Memo
IV	Seller's Invoice Number
MB	Master Bill of Lading
PK	Packing List Number
Q1	Quote Number
QJ	Return Material Authorization Number
SI	Shipper's Identifying Number for Shipment (SID)
POL	Policy Number

N902	127	Reference Identification	X	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

### Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

### Semantics:

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

# PER

## Administrative Communications Contact

Pos: 070	Max: 2
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

### EDI Example:

PER~CN~IMA BUYER~TE~222-123-4567^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	IDEA Req
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		CN		General Contact		
PER02	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER05	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER06	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER07	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER08	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				

### Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# SAC

## Service, Promotion, Allowance, or Charge Information

Pos: 080	Max: 10
Heading - Optional	
Loop: N/A	Elements: 14

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

### EDI Example:

SAC~C~F050~1000~06~MISC CHARGE DESCRIPTION^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	IDEA Req
		<b>Description:</b> Code which indicates an allowance or charge for the service specified				
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
		<b>Description:</b> Code identifying the service, promotion, allowance, or charge				
		<u>Code</u>		<u>Name</u>		
		A010		Absolute Minimum Charge		
		D240		Freight		
		D500		Handling		
		E800		No Return Credit Allowance		
		F050		Other (See related description)		
		G470		Restocking Charge		
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<u>Code</u>		<u>Name</u>		
		1		Item List Cost		
		2		Item Net Cost		
		3		Discount/Gross		
		4		Discount/Net		
		5		Base Price per Unit		
		6		Base Price Amount		
		7		Base Price Amount Less Previous Discount		
		8		Net Monthly On All Invoices Past Due		
		9		Late Payment Charge Base Amount		
		A		Fuel Rate		
SAC07	332	<b>Percent</b>	X	R	1/6	Used
		<b>Description:</b> Percent expressed as a percent				

SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		BG		Bag		
		BK		Book		
		CG		Card		
		EA		Each		
		FT		Foot		
		KT		Kit		
		LB		Pound		
		MR		Meter		
		PC		Piece		
		PK		Package		
		RE		Reel		
		RL		Roll		
		SH		Sheet		
		SO		Spool		
SAC10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC11	380	<b>Quantity</b>	O	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating method of handling for an allowance or charge				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		05		Charge to be Paid by Vendor		
		06		Charge to be Paid by Customer		
		09		Allowance To Be Issued by Vendor		
SAC13	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
		<b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

### Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.

5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

### **Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

### **Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# TD5

## Carrier Details (Routing Sequence/Transit Time)

Pos: 110	Max: 10
Heading - Optional	
Loop: N/A	Elements: 14

**User Option (Usage):** Used

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

### EDIPro Note:

Preferred Carrier:

To specify the carrier, a TD502 element should be included having a qualifier of "2", followed by a TD503 element containing a valid Standard Carrier Alpha Code (SCAC) describing the carrier. (ID qualifiers 91 and 92 require prior trading partner agreement and should be avoided.) The SCAC table is a certified list of four character codes associated with specific carriers. This list is published by the National Motor Freight Traffic Association. Examples of SCAC codes are listed below.

Code	Description
CFWY	Consolidated Freightways (Type - LTL)
FEPL	Federal Express (Type - Air)
OVNT	Overnight (Type - LTL)

Shipment Method:

A TD504 element with a valid qualifier describing the method of shipment should be included.

Service Level:

TD512 element with a valid qualifier describing the service level should be included.

### EDI Example:

TD5~~2~CFWY~M~~~~~SG^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD502	66	Identification Code Qualifier	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>	<u>Name</u>			
		2	Standard Carrier Alpha Code (SCAC)			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
TD503	67	Identification Code	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						
TD504	91	Transportation Method/Type Code	X	ID	1/2	Used
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
		<u>Code</u>	<u>Name</u>			
		A	Air			
		C	Consolidation			
		D	Parcel Post			
		H	Customer Pickup			
		J	Motor			
		L	Contract Carrier			
		M	Motor (Common Carrier)			
		R	Rail			
		T	Best Way (Shippers Option)			
		U	Private Parcel Service			

AE Air Express  
 BU Bus  
 LT Less Than Trailer Load (LTL)  
 SR Supplier Truck  
 VA Motor (Van)

TD505 387 **Routing** X AN 1/35 Used

**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

TD506 368 **Shipment/Order Status Code** X ID 2/2 Used

**Description:** Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

<u>Code</u>	<u>Name</u>
CC	Shipment Complete on (Date)
CL	Complete
IC	Item Canceled
SD	Shipped Damaged
SH	Shipped (Date)

TD507 309 **Location Qualifier** O ID 1/2 Used

**Description:** Code identifying type of location

<u>Code</u>	<u>Name</u>
93	Sender's Location Code
94	Receiver's Location Code
OR	Origin (Shipping Point)
PE	Port of Entry
SN	Store Number

TD508 310 **Location Identifier** X AN 1/30 Used

**Description:** Code which identifies a specific location

TD509 731 **Transit Direction Code** O ID 2/2 Used

**Description:** The point of origin and point of direction

<u>Code</u>	<u>Name</u>
BS	Buyer to Seller
SB	Seller to Buyer
SC	Subcontractor to Seller
SD	Seller to Drop-Ship Designated Location
SF	Seller to Freight Forwarder
SS	Seller to Subcontractor

TD510 732 **Transit Time Direction Qualifier** O ID 2/2 Used

**Description:** Code specifying the value of time used to measure the transit time

<u>Code</u>	<u>Name</u>
AA	Air Hours
AD	Air Days
CD	Calendar Days (Includes weekends and Holidays)
CW	Calendar Weeks (7 Day)
HO	Hours
SD	Surface Days
SH	Surface Hours
WD	Working Days (Excludes weekends and holidays)
WW	5 Day Work Week



TD511	733	<b>Transit Time</b>	X	R	1/4	Used
		<b>Description:</b> The numeric amount of transit time				
TD512	284	<b>Service Level Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		09	Premium Surface			
		CX	Express Service			
		ND	Next Day Air			
		ON	Overnight			
		PA	Primary Service Area - Next Day by 10:30 A.M.			
		PR	Primary Service Area - Next Day by 5:00 P.M.			
		SC	Second Day Air			
		SD	Saturday			
		SE	Second Day			
		SG	Standard Ground			
TD513	284	<b>Service Level Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		09	Premium Surface			
		CX	Express Service			
		ND	Next Day Air			
		ON	Overnight			
		PA	Primary Service Area - Next Day by 10:30 A.M.			
		PR	Primary Service Area - Next Day by 5:00 P.M.			
		SC	Second Day Air			
		SD	Saturday			
		SE	Second Day			
		SG	Standard Ground			
TD514	284	<b>Service Level Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		09	Premium Surface			
		CX	Express Service			
		ND	Next Day Air			
		ON	Overnight			
		PA	Primary Service Area - Next Day by 10:30 A.M.			
		PR	Primary Service Area - Next Day by 5:00 P.M.			
		SC	Second Day Air			
		SD	Saturday			
		SE	Second Day			
		SG	Standard Ground			
TD515	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.

3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

**Semantics:**

1. TD515 is the country where the service is to be performed.

**Comments:**

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

---

# Loop Name

Pos: 120	Repeat: 200
	Optional
Loop: N1	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
120	N1	Name	O	1		Used
140	N3	Address Information	O	2		Used
150	N4	Geographic Location	O	1		Used
160	PER	Administrative Communications Contact	O	5		Used

# N1

## Name

<b>Pos:</b> 120	<b>Max:</b> 1
<b>Heading - Optional</b>	
<b>Loop:</b> N1	<b>Elements:</b> 4

**User Option (Usage):** Used

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

### EDI Example:

N1~BY~ABC DISTRIBUTION~9~0012345670000^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	IDEA Req
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
		<u>Code</u>	<u>Name</u>			
		BS	Bill and Ship To			
		BT	Bill-to-Party			
		BY	Buying Party (Purchaser)			
		RT	Returned to			
		SE	Selling Party			
		ST	Ship To			
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>	<u>Name</u>			
		1	D-U-N-S Number, Dun & Bradstreet			
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
		UL	UCC/EAN Location Code			
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						

### Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

### 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.

# N3

## Address Information

Pos: 140	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/55	IDEA Req
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4

## Geographic Location

Pos: 150	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

### EDI Example:

N4~CHICAGO~IL~60601~USA^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
<b>Description:</b> Free-form text for city name						
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency						
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						
N404	26	<b>Country Code</b>	O	ID	2/3	Used
<b>Description:</b> Code identifying the country						
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code identifying type of location						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		13	Section			
		34	District			
		CI	City			
		CO	County/Parish and State			
		CY	County/Parish			
		DP	Department			
		RG	Region Code			
		SC	City/State and Points Within			
		SP	State/Province			
		TN	Township			
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
<b>Description:</b> Code which identifies a specific location						

### Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

### 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.

# PER

## Administrative Communications Contact

Pos: 160	Max: 5
Heading - Optional	
Loop: N1	Elements: 8

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

### EDI Example:

PER~CN~IMA BUYER~TE~222-123-4567^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	IDEA Req
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		CN		General Contact		
PER02	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER05	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER06	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER07	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER08	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				

### Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.



# Loop Baseline Item Data

Pos: 010	Repeat: >1
Optional	
Loop: BLI	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify basic item data: item identification, quantity, and price

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	BLI	Baseline Item Data	O	1		Used
011	N9	Reference Identification	O	20		Used
030	RDR	Return Disposition Reason	O	1		Used
040	SAC	Service, Promotion, Allowance, or Charge Information	O	10		Used
042	AMT	Monetary Amount	O	>1		Used
048	NTE	Note/Special Instruction	O	>1		Used
050	PRF	Purchase Order Reference	O	1		Used
052	DTM	Date/Time Reference	O	15		Used
055	TD5	Carrier Details (Routing Sequence/Transit Time)	O	5		Used
060		Loop N1	O		200	Used

# BLI

## Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: BLI	Elements: 13

**User Option (Usage):** Used

**Purpose:** To specify basic item data: item identification, quantity, and price

### EDI Example:

BLI~BP~CC-19~13900~EA~LPR~6.43~TH~VN~P- 8751~UI~09999982015~BP~CC-19^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BLI01	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	IDEA Req
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		BP	Buyer's Part Number			
		CB	Buyer's Catalog Number			
		EN	European Article Number (EAN) (2-5-5-1)			
		IN	Buyer's Item Number			
		RK	Rack Number			
		U2	U.P.C. Shipping Container Code (1-2-5-5)			
		UD	U.P.C./EAN Consumer Package Code (2-5-5)			
		UI	U.P.C. Consumer Package Code (1-5-5)			
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)			
		UP	U.P.C. Consumer Package Code (1-5-5-1)			
		VC	Vendor's (Seller's) Catalog Number			
		VN	Vendor's (Seller's) Item Number			
		VP	Vendor's (Seller's) Part Number			
BLI02	234	<b>Product/Service ID</b>	M	AN	1/48	IDEA Req
<b>Description:</b> Identifying number for a product or service						
BLI03	380	<b>Quantity</b>	O	R	1/15	Used
<b>Description:</b> Numeric value of quantity						
BLI04	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		BG	Bag			
		BK	Book			
		CA	Case			
		CG	Card			
		CT	Carton			
		EA	Each			
		FT	Foot			
		KG	Kilogram			
		KT	Kit			
		LB	Pound			
		MR	Meter			
		PC	Piece			
		PK	Package			
		RE	Reel			

		RL	Roll				
		SH	Sheet				
		SO	Spool				
BLI05	236	<b>Price Identifier Code</b>		X	ID	3/3	Used
		<b>Description:</b> Code identifying pricing specification					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		ACT	Actual				
		CON	Contract Price				
		DIS	Distributor's Price				
		INV	Invoice Billing Price				
		LPR	List Price				
		N31	No Charge				
		NET	Net Item Price				
		PUR	Purchase				
BLI06	212	<b>Unit Price</b>		X	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.					
BLI07	355	<b>Unit or Basis for Measurement Code</b>		O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		BG	Bag				
		BK	Book				
		CA	Case				
		CG	Card				
		CT	Carton				
		EA	Each				
		FT	Foot				
		KG	Kilogram				
		KT	Kit				
		LB	Pound				
		MR	Meter				
		PC	Piece				
		PK	Package				
		RE	Reel				
		RL	Roll				
		SH	Sheet				
		SO	Spool				
BLI08	235	<b>Product/Service ID Qualifier</b>		X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used.</b>					
BLI09	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					
BLI10	235	<b>Product/Service ID Qualifier</b>		X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used.</b>					
BLI11	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					

BLI12	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used.</b>				
BLI13	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

**Syntax Rules:**

1. P0506 - If either BLI05 or BLI06 is present, then the other is required.
2. C0706 - If BLI07 is present, then BLI06 is required.
3. P0809 - If either BLI08 or BLI09 is present, then the other is required.
4. P1011 - If either BLI10 or BLI11 is present, then the other is required.
5. P1213 - If either BLI12 or BLI13 is present, then the other is required.

**Semantics:**

1. BLI04, the unit of measure code applies to both quantity, (BLI03) and unit price (BLI06), unless BLI07 is present, in which case BLI04 applies only to BLI03, and BLI07 applies only to BLI06.

**Comments:**

1. Element 235/234 combinations should be interpreted to include products or services. See the Data Element Dictionary for a complete list of IDs.
2. BLI01, BLI02, and BLI08 through BLI13 provide for four different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model, SKU.

# N9

## Reference Identification

Pos: 011	Max: 20
Detail - Optional	
Loop: BLI	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

### EDI Example:

N9~QI~223445~~20070301^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	IDEA Req

**Description:** Code qualifying the Reference Identification

#### Code

#### Name

97	Package Number
BM	Bill of Lading Number
CN	Carrier's Reference Number (PRO/Invoice)
DB	Buyer's Debit Memo
IV	Seller's Invoice Number
MB	Master Bill of Lading
PK	Packing List Number
QJ	Return Material Authorization Number
SI	Shipper's Identifying Number for Shipment (SID)
POL	Policy Number

N902	127	Reference Identification	X	AN	1/30	Used
------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

### Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

### Semantics:

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

# RDR

## Return Disposition Reason

Pos: 030	Max: 1
Detail - Optional	
Loop: BLI	Elements: 5

**User Option (Usage):** Used

**Purpose:** To indicate the disposition of the item, the reason for return by the returnee, the response to the reason for return, and whether the item was used

### EDI Example:

RDR~RA~EI^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
RDR01	1292	Returns Disposition Code	O	ID	2/2	Used

**Description:** Code indicating the disposition of a contested item

<u>Code</u>	<u>Name</u>
DI	Dispose
KA	Keep with an Allowance
KR	Keep and Repair
MW	Manufacturer Warranty Service
PA	Partially Authorized
RA	Return with Authorization Number
RD	Request Denied
RF	Return for Factory Repair
RT	Ship to Third Party
SC	Ship to Third Party for Charitable Contribution
SD	Ship to Third Party for Disposal

RDR02	1293	Return Request Reason Code	X	ID	2/2	Used
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**Description:** Code indicating the reason for the return from the party returning, or requesting to return, the items

<u>Code</u>	<u>Name</u>
CO	Customer Ordering Error
CV	Color Variance
DA	Damaged Product
DI	Discontinued Product
DM	Defective Merchandise or Store Inspection
DP	Defective Packaging
DR	Defective Merchandise or Returned by Consumer
DT	Damaged In Transit
EI	Excess Inventory
NA	Not as Expected
PE	Price Error
PR	Product Recall
SM	Samples
SP	Shipped past Cancel Date
SR	Stock Reduction Agreement
TE	Termination
WG	Wrong Goods or Not Ordered

RDR03	1294	Return Response Reason Code	X	ID	2/2	Used
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**Description:** Code indicating the response to a request to return items

<u>Code</u>	<u>Name</u>
-------------	-------------

FR	Freight or Retailer Damage
IN	Item not Defective
IO	Item as Ordered
NR	No Record of Original Sale
OS	Out of Season or Discontinued Line Item
PC	Pricing or Cost Difference
QD	Quantity Difference
RR	Repair or Refurbish
RT	Return Time Limit Exceeded or Beyond Warranty Period
SR	Sample Requested
UI	Unidentifiable Item

RDR04	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
RDR05	1073	<b>Yes/No Condition or Response Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating a Yes or No condition or response <b>All valid standard codes are used.</b>				

**Syntax Rules:**

1. E0203 - Only one of RDR02 or RDR03 may be present.

**Semantics:**

1. RDR05 contains code "Y" if the item has been used and code "N" if the item has not been used.

# SAC

## Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 10
Detail - Optional	
Loop: BLI	Elements: 14

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

### EDI Example:

SAC~C~D240~~~5500~~~~~06~~~FREIGHT CHARGE^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	IDEA Req
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
		<u>Code</u>	<u>Name</u>			
		A	Allowance			
		C	Charge			
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
		<u>Code</u>	<u>Name</u>			
		A010	Absolute Minimum Charge			
		D240	Freight			
		D500	Handling			
		E800	No Return Credit Allowance			
		F050	Other (See related description)			
		G470	Restocking Charge			
SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	X	AN	1/10	Used
<b>Description:</b> Agency maintained code identifying the service, promotion, allowance, or charge						
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated						
		<u>Code</u>	<u>Name</u>			
		1	Item List Cost			
		2	Item Net Cost			
		3	Discount/Gross			
		4	Discount/Net			
		5	Base Price per Unit			
		6	Base Price Amount			
		7	Base Price Amount Less Previous Discount			
		8	Net Monthly On All Invoices Past Due			
		9	Late Payment Charge Base Amount			
		A	Fuel Rate			
SAC07	332	<b>Percent</b>	X	R	1/6	Used
<b>Description:</b> Percent expressed as a percent						



SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		BG		Bag		
		BK		Book		
		CA		Case		
		CG		Card		
		CT		Carton		
		EA		Each		
		FT		Foot		
		KG		Kilogram		
		KT		Kit		
		LB		Pound		
		MR		Meter		
		PC		Piece		
		PK		Package		
		RE		Reel		
		RL		Roll		
		SH		Sheet		
		SO		Spool		
SAC10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC11	380	<b>Quantity</b>	O	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating method of handling for an allowance or charge				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		05		Charge to be Paid by Vendor		
		06		Charge to be Paid by Customer		
		09		Allowance To Be Issued by Vendor		
SAC13	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
		<b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

### **Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

### **Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# AMT Monetary Amount

Pos: 042	Max: >1
Detail - Optional	
Loop: BLI	Elements: 3

**User Option (Usage):** Used  
**Purpose:** To indicate the total monetary amount

**EDI Example:**

AMT~1~123.45~N^

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/3	IDEA Req
<b>Description:</b> Code to qualify amount						
		<u>Code</u>	<u>Name</u>			
		1	Line Item Total			
		8E	Purchase Price			
		B6	Allowed - Actual			
		GX	Total Credit			
		L1	Legal Contribution			
		SP	Sales Price			
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	IDEA Req
<b>Description:</b> Monetary amount						
AMT03	478	<b>Credit/Debit Flag Code</b>	O	ID	1/1	Used
<b>Description:</b> Code indicating whether amount is a credit or debit						
<b>All valid standard codes are used.</b>						

# NTE

## Note/Special Instruction

Pos: 048	Max: >1
Detail - Optional	
Loop: BLI	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

### EDI Example:

NTE~DEP~POWER APPLIED, PRODUCT DID NOT FUNCTION^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NTE01	363	<b>Note Reference Code</b>	O	ID	3/3	Used
<b>Description:</b> Code identifying the functional area or purpose for which the note applies						
		<u>Code</u>	<u>Name</u>			
		DEP	Problem Description			
		DOD	Description of Damage			
		ECN	Equipment Condition Description			
		EFD	Equipment Function Description			
		ENR	Explanation for Non-Return of Device to Manufacturer			
		GEN	Entire Transaction Set			
		OTH	Other Instructions			
		TRA	Transportation			
NTE02	352	<b>Description</b>	M	AN	1/80	IDEA Req
<b>Description:</b> A free-form description to clarify the related data elements and their content						

### Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

# PRF

## Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: BLI	Elements: 2

**User Option (Usage):** Used

**Purpose:** To provide reference to a specific purchase order

### EDI Example:

PRF~092123456~1~~20071227~3^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	<b>Purchase Order Number</b>	M	AN	1/22	IDEA Req
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
PRF02	328	<b>Release Number</b>	O	AN	1/30	Used
		<b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				

### Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

# DTM

## Date/Time Reference

Pos: 052	Max: 15
Detail - Optional	
Loop: BLI	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

### EDI Example:

DTM~011~20070215^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	IDEA Req
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		004	Purchase Order			
		011	Shipped			
		106	Required By			
DTM02	373	Date	X	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						
DTM03	337	Time	X	TM	4/8	Used
<b>Description:</b> 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)						

### Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# TD5

## Carrier Details (Routing Sequence/Transit Time)

Pos: 055	Max: 5
Detail - Optional	
Loop: BLI	Elements: 14

**User Option (Usage):** Used

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

### EDIPro Note:

Preferred Carrier:

To specify the carrier, a TD502 element should be included having a qualifier of "2", followed by a TD503 element containing a valid Standard Carrier Alpha Code (SCAC) describing the carrier. (ID qualifiers 91 and 92 require prior trading partner agreement and should be avoided.) The SCAC table is a certified list of four character codes associated with specific carriers. This list is published by the National Motor Freight Traffic Association. Examples of SCAC codes are listed below.

Code	Description
CFWY	Consolidated Freightways (Type - LTL)
FEPL	Federal Express (Type - Air)
OVNT	Overnight (Type - LTL)

Shipment Method:

A TD504 element with a valid qualifier describing the method of shipment should be included.

Service Level:

TD512 element with a valid qualifier describing the service level should be included.

### EDI Example:

TD5~2~AAA~M~AAA FREIGHT CO.~09^

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	Identification Code Qualifier	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
		<b>Code</b>	<b>Name</b>			
		2	Standard Carrier Alpha Code (SCAC)			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
TD503	67	Identification Code	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						
TD504	91	Transportation Method/Type Code	X	ID	1/2	Used
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
		<b>Code</b>	<b>Name</b>			
		A	Air			
		C	Consolidation			
		D	Parcel Post			
		H	Customer Pickup			
		J	Motor			
		L	Contract Carrier			
		M	Motor (Common Carrier)			
		R	Rail			
		T	Best Way (Shippers Option)			
		U	Private Parcel Service			

		AE	Air Express				
		BU	Bus				
		LT	Less Than Trailer Load (LTL)				
		SR	Supplier Truck				
		VA	Motor (Van)				
TD505	387	<b>Routing</b>		X	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity					
TD506	368	<b>Shipment/Order Status Code</b>		X	ID	2/2	Used
		<b>Description:</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		CC	Shipment Complete on (Date)				
		CL	Complete				
		IC	Item Canceled				
		SD	Shipped Damaged				
		SH	Shipped (Date)				
TD507	309	<b>Location Qualifier</b>		O	ID	1/2	Used
		<b>Description:</b> Code identifying type of location					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		93	Sender's Location Code				
		94	Receiver's Location Code				
		OR	Origin (Shipping Point)				
		PE	Port of Entry				
		SN	Store Number				
TD508	310	<b>Location Identifier</b>		X	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location					
TD509	731	<b>Transit Direction Code</b>		O	ID	2/2	Used
		<b>Description:</b> The point of origin and point of direction					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		BS	Buyer to Seller				
		SB	Seller to Buyer				
		SC	Subcontractor to Seller				
		SD	Seller to Drop-Ship Designated Location				
		SF	Seller to Freight Forwarder				
		SS	Seller to Subcontractor				
TD510	732	<b>Transit Time Direction Qualifier</b>		O	ID	2/2	Used
		<b>Description:</b> Code specifying the value of time used to measure the transit time					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		AA	Air Hours				
		AD	Air Days				
		CD	Calendar Days (Includes weekends and Holidays)				
		CW	Calendar Weeks (7 Day)				
		HO	Hours				
		SD	Surface Days				
		SH	Surface Hours				
		WD	Working Days (Excludes weekends and holidays)				
		WW	5 Day Work Week				



TD511 733 **Transit Time** X R 1/4 Used

**Description:** The numeric amount of transit time

TD512 284 **Service Level Code** X ID 2/2 Used

**Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier

<u>Code</u>	<u>Name</u>
09	Premium Surface
CG	Ground
CX	Express Service
G2	Standard Service
ND	Next Day Air
ON	Overnight
PA	Primary Service Area - Next Day by 10:30 A.M.
PB	Priority Mail
PR	Primary Service Area - Next Day by 5:00 P.M.
RS	Authorized Return Service
SC	Second Day Air
SD	Saturday
SE	Second Day
SG	Standard Ground

TD513 284 **Service Level Code** X ID 2/2 Used

**Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier

<u>Code</u>	<u>Name</u>
09	Premium Surface
CG	Ground
CX	Express Service
G2	Standard Service
ND	Next Day Air
ON	Overnight
PA	Primary Service Area - Next Day by 10:30 A.M.
PB	Priority Mail
PR	Primary Service Area - Next Day by 5:00 P.M.
RS	Authorized Return Service
SC	Second Day Air
SD	Saturday
SE	Second Day
SG	Standard Ground

TD514 284 **Service Level Code** O ID 2/2 Used

**Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier

<u>Code</u>	<u>Name</u>
09	Premium Surface
CG	Ground
CX	Express Service
G2	Standard Service
ON	Overnight
PA	Primary Service Area - Next Day by 10:30 A.M.
PB	Priority Mail
PR	Primary Service Area - Next Day by 5:00 P.M.
RS	Authorized Return Service

SC	Second Day Air
SD	Saturday
SE	Second Day
SG	Standard Ground

TD515	26	<b>Country Code</b>	O	ID	2/3	Used
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**Description:** Code identifying the country

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

**Semantics:**

1. TD515 is the country where the service is to be performed.

**Comments:**

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

---

# Loop Name

Pos: 060	Repeat: 200
	Optional
Loop: N1	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	N1	Name	O	1		Used
080	N3	Address Information	O	2		Used
090	N4	Geographic Location	O	1		Used
100	PER	Administrative Communications Contact	O	5		Used

# N1

## Name

<b>Pos: 060</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

### EDIPro Note:

DUNS+4 should be considered the primary and preferred method of identifying a location. ID qualifier's 91 and 92 require prior trading partner agreement and should be avoided.

### EDI Example:

N1~SE~XYZ MANUFACTURER~9~0076543210000^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	IDEA Req
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>		<u>Name</u>		
		BS		Bill and Ship To		
		BT		Bill-to-Party		
		BY		Buying Party (Purchaser)		
		SE		Selling Party		
		ST		Ship To		
N102	93	<b>Name</b>	X	AN	1/60	Used
		<b>Description:</b> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		1		D-U-N-S Number, Dun & Bradstreet		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
		UL		UCC/EAN Location Code		
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

### Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

### 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.

# N3

## Address Information

Pos: 080	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/55	IDEA Req
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4

## Geographic Location

Pos: 090	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

### EDIPro Note:

Country Code (N404) would typically be used when transacting business in multiple countries. Refer to ISO 3166 for standard country codes.

### EDI Example:

N4~Atlanta~GA~30084~USA^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																						
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name	O	AN	2/30	Used																						
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used																						
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used																						
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country	O	ID	2/3	Used																						
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location	X	ID	1/2	Used																						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>13</td><td>Section</td></tr> <tr><td>34</td><td>District</td></tr> <tr><td>CI</td><td>City</td></tr> <tr><td>CO</td><td>County/Parish and State</td></tr> <tr><td>CY</td><td>County/Parish</td></tr> <tr><td>DP</td><td>Department</td></tr> <tr><td>RG</td><td>Region Code</td></tr> <tr><td>SC</td><td>City/State and Points Within</td></tr> <tr><td>SP</td><td>State/Province</td></tr> <tr><td>TN</td><td>Township</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	13	Section	34	District	CI	City	CO	County/Parish and State	CY	County/Parish	DP	Department	RG	Region Code	SC	City/State and Points Within	SP	State/Province	TN	Township				
<u>Code</u>	<u>Name</u>																											
13	Section																											
34	District																											
CI	City																											
CO	County/Parish and State																											
CY	County/Parish																											
DP	Department																											
RG	Region Code																											
SC	City/State and Points Within																											
SP	State/Province																											
TN	Township																											
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location	O	AN	1/30	Used																						

### Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

### 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.

# PER

## Administrative Communications Contact

Pos: 100	Max: 5
Detail - Optional	
Loop: N1	Elements: 8

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

### EDI Example:

PER~CN~IMA SELLER~TE~333-987-6543^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	IDEA Req
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		CN		General Contact		
PER02	93	Name	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER06	364	Communication Number	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
		FX		Facsimile		
		TE		Telephone		
PER08	364	Communication Number	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				

### Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.



# SE

## Transaction Set Trailer

Pos: 230	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** IDEA Req

**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)

### EDI Example:

SE~17~0001^

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	NO	1/10	IDEA Req

**Description:** Total number of segments included in a transaction set including ST and SE segments

SE02	329	Transaction Set Control Number	M	AN	4/9	IDEA Req
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

### Comments:

1. SE is the last segment of each transaction set.

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**Section 4**  
**180 Return Merchandise Authorization and**  
**Notification**  
**Example Transaction**

This section contains an example transaction showing the use of the segments within the 180 Return Merchandise Authorization and Notification. Note: The example may not show all segments or qualifier combinations.

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## Example Transactions

### Transaction 1 - "Request for Authorization to Return"

Example 1 - EDI 180 Return Merchandise Authorization and Notification	
X12 Format	Explanation of Information
ST~180~0001^	Transaction Set = "180" Control Number = "0001"
BGN~13~01~20010304^	Transaction Set Purpose Code = "13" (request) Reference Identification = "01" Date = "20010304"(CCYYMMDD)
N1~BY~ABC DISTRIBUTION~9~0012345670000^	Entity ID Code = "BY" (buying party) Name = "ABC Distribution" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0012345670000"
PER~CN~IMA BUYER~TE~222-123-4567^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Buyer" Communications Number Qualifier = "TE" (telephone number) Communications Number = "222-123-4567"
N1~SE~XYZ MANUFACTURER~9~0076543210000^	Entity ID Code = "SE" (selling party) Name = "XYZ Manufacturer" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0076543210000"
PER~CN~IMA SELLER~TE~333-987-6543^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Seller" Communications Number Qualifier = "TE" (telephone number) Communications Number = "333-987-6543"
BLI~BP~CC-19~13900~EA~LPR~6.43~TH~VN~P-8751~UI-09999982015^	Prod/Serv ID Qualifier = "BP" (buyer's part number ID) Prod/Serv ID = "CC-19" (buyer's part number) Quantity Ordered = "13900" (13,900) Unit of Measure Code = "EA" (each) Price Identifier Code = "LPR" (List Price) Unit Price = "6.43" Basis Unit Price Code = "TH" (price per thousand) Prod/Serv ID Qualifier = "VN" (vendor's part number ID) Prod/Serv ID = "P-8751" (vendor's part number) Prod/Serv ID Qualifier = "UI" (U.P.C. number 1-5-5) Prod/Serv ID = "09999982015"
NTE~DEP~POWER APPLIED, PRODUCT DID NOT FUNCTION^	Note Reference Code = DEP (Description of Problem) Description = Description of the problem
N9~QI~223445~~20010309^	Reference Identifier Qualifier = "OI" (original invoice) Reference Identification = "223445" (original invoice number) Date = "20010309" (invoice date)
RDR~~DI~~REPLACED WITH NEWER PART^	Return Request Reason Code = "DI" (discontinued product) Description = "replaced with newer part"
PRF~092123456~1~~20011227~3^	Original Purchase Order Number = "092123456" Release Number = "1" Original Purchase Order Date = "20011227" (CCYYMMDD) Assigned Identification Number = "3" (PO line number)
SE~11~0001^	Number of Included Segments = "11" Control Number = "0001"
	<i>(Note: The number of segments shown is only an example.)</i>

## Transaction 2 - "Authorization to Return or Disposition"

Example 2 - EDI 180 Return Merchandise Authorization and Notification	
X12 Format	Explanation of Information
ST~180~0001^	Transaction Set = "180" Control Number = "0001"
BGN~54~01~20010126^	Transaction Set Purpose Code = "54" (approval) Reference Identification = "01" Date = "20010126"(CCYYMMDD)
N1~SE~XYZ MANUFACTURER~9~0076543210000^	Entity ID Code = "SE" (selling party) Name = "XYZ Manufacturer" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0076543210000"
PER~CN~IMA SELLER~TE~333-987-6543^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Seller" Communications Number Qualifier = "TE" (telephone number) Communications Number = "333-987-6543"
N1~BY~ABC DISTRIBUTION~9~0012345670000^	Entity ID Code = "BY" (buying party) Name = "ABC Distribution" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0012345670000"
PER~CN~IMA BUYER~TE~222-123-4567^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Buyer" Communications Number Qualifier = "TE" (telephone number) Communications Number = "222-123-4567"
BLI~BP~CC-19~13900~EA~LPR~6.43~TH~VN~P-8751~UI~09999982015^	Prod/Serv ID Qualifier = "BP" (buyer's part number ID) Prod/Serv ID = "CC-19" (buyer's part number) Quantity Ordered = "13900" (13,900) Unit of Measure Code = "EA" (each) List Price Code = "LPR" (List Price) Unit Price = "6.43" Basis Unit Price Code = "TH" (price per thousand) Prod/Serv ID Qualifier = "VN" (vendor's part number ID) Prod/Serv ID = "P-8751" (vendor's part number) Prod/Serv ID Qualifier = "UI" (U.P.C. number 1-5-5) Prod/Serv ID = "09999982015"
N9~QJ~RMA12345^	Reference Identification Qualifier = "QJ" (return material authorization number) Reference Identification = "RMA12345" (return material authorization number)
RDR~RA^	Return Request Reason Code = "RA" (return with authorization number)
PRF~092123456~1~~20011227~3^	Original Purchase Order Number = "092123456" Release Number = "1" Original Purchase Order Date = "20011227" (CCYYMMDD) Assigned Identification Number = "3" (original PO line number)
SE~11~0001^	Number of Included Segments = "11" Control Number = "0001"
	<i>(Note: The number of segments shown is only an example.)</i>

### Transaction 3 - "VMI Return - Seller Initiated"

<b>Example 3 - EDI 180 Return Merchandise Authorization and Notification</b>	
<b>X12 Format</b>	<b>Explanation of Information</b>
ST~180~0001^	Transaction Set = "180" Control Number = "0001"
BGN~16~01~20010126^	Transaction Set Purpose Code = "16" (proposed return) Reference Identification = "01" Date = "20010126"(CCYYMMDD)
N1~SE~XYZ MANUFACTURER~9~0076543210000^	Entity ID Code = "SE" (selling party) Name = "XYZ Manufacturer" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0076543210000"
PER~CN~IMA VMI~TE~333-987-6543^	Contact Function Code = "CN" (general contact) Contact Name = "Ima VMI" Communications Number Qualifier = "TE" (telephone number) Communications Number = "333-987-6543"
N1~BY~ABC DISTRIBUTION~9~0012345670000^	Entity ID Code = "BY" (buying party) Name = "ABC Distribution" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0012345670000"
PER~CN~IMA BUYER~TE~222-123-4567^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Buyer" Communications Number Qualifier = "TE" (telephone number) Communications Number = "222-123-4567"
BLI~BP~CC-19~13900~EA~LPR~6.43~TH~VN~ P-8751~ UI-09999982015^	Prod/Serv ID Qualifier = "BP" (buyer's part number ID) Prod/Serv ID = "CC-19" (vendor's part number) Quantity Ordered = "13900" (13,900) Unit of Measure Code = "EA" (each) Price Identifier Code = 'LPR' (List Price) Unit Price = "6.43" Basis Unit Price Code = "TH" (price per thousand) Prod/Serv ID Qualifier = "VN" (vendor's part number ID) Prod/Serv ID = "P-8751" (vendor's part number) Prod/Serv ID Qualifier = "UI" (U.P.C. number 1-5-5) Prod/Serv ID = "09999982015"
N9~QJ~RMA12345^	Reference Identification Qualifier = "QJ" (return material authorization number) Reference Identification = "RMA12345" (return material authorization number)
RDR~RA~EI^	Return Request Reason Code = "RA" (return with authorization number) Return Request Reason Code = "EI" (excess inventory)
SE~10~0001^	Number of Included Segments = "10" Control Number = "0001"

*(Note: The number of segments shown is only an example.)*

## Transaction 4 - Notification of Return

Example 4 - EDI 180 Return Merchandise Authorization and Notification	
X12 Format	Explanation of Information
ST~180~0001^	Transaction Set = "180" Control Number = "0001"
BGN~14~01~20010126^	Transaction Set Purpose Code = "14" (advance notification) Reference Identification = "01" Date = "20010126"(CCYYMMDD)
DTM~011~20010131^	Date/Time Qualifier = "011" (shipped) Date = "20010131"
TD5~~2~CFWY~M~~~~~SG^	Identification Code Qualifier = "2" (standard carrier alpha code) Identification Code = "CFWY" (consolidated freightways) Transportation Method Type Code = "M" (common carrier) Service Level Code = "SG" (standard ground)
N1~BY~ABC DISTRIBUTION~9~0012345670000^	Entity ID Code = "BY" (buying party) Name = "ABC Distribution" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0012345670000"
PER~CN~IMA BUYER~TE~222-123-4567^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Buyer" Communications Number Qualifier = "TE" (telephone number) Communications Number = "222-123-4567"
N1~SE~XYZ MANUFACTURER~9~0076543210000^	Entity ID Code = "SE" (selling party) Name = "XYZ Manufacturer" ID Code Qualifier = "9" (DUNS + 4) ID Code = "0076543210000"
PER~CN~IMA SELLER~TE~333-987-6543^	Contact Function Code = "CN" (general contact) Contact Name = "Ima Seller" Communications Number Qualifier = "TE" (telephone number) Communications Number = "333-987-6543"
BLI~BP~CC-19~13900~EA~LPR~6.43~TH~TP~VN~P- 8751~ UI~09999982015~BP~CC-19^	Prod/Serv ID Qualifier = "BP" (buyer's part number ID) Prod/Serv ID = "CC-19" (buyer's part number) Quantity Ordered = "13900" (13,900) Price Identifier Code = "LPR" (List Price) Unit Price = "6.43" Unit of Measure Code = "TH" (per Thousand) Basis Unit Price Code = "TP" (price per thousand) Prod/Serv ID Qualifier = "VN" (vendor's part number ID) Prod/Serv ID = "P-8751" (vendor's part number) Prod/Serv ID Qualifier = "UI" (U.P.C. number 1-5-5) Prod/Serv ID = "09999982015"
N9~QJ~RMA12345^	Reference Identification Qualifier = "QJ" (return material authorization number) Reference Identification = "RMA12345" (return material authorization number)
RDR~~DI~~REPLACED WITH NEWER PART^	Return Request Reason Code = "DI" (discontinued product) Description = "replaced with newer part"
SE~17~0001^	Number of Included Segments = "17" Control Number = "0001"  <i>(Note: The number of segments shown is only an example.)</i>