

# 810 Invoice Version 004010

## Functional Group=IN

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

### 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              |               |              | Must use     |
| 020                 | BIG       | Beginning Segment for Invoice        | M          | 1              |               |              | Must use     |
| 040                 | CUR       | Currency                             | O          | 1              |               |              | Must use     |
| 050                 | REF       | Reference Identification             | M          | 12             |               |              | Must use     |
| <b>LOOP ID - N1</b> |           |                                      |            |                | <b>200</b>    |              |              |
| 070                 | N1        | Name                                 | M          | 1              |               |              | Must use     |
| 090                 | N3        | Address Information                  | O          | 2              |               |              | Used         |
| 100                 | N4        | Geographic Location                  | O          | 1              |               |              | Used         |
| 130                 | ITD       | Terms of Sale/Deferred Terms of Sale | M          | >1             |               |              | 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 - IT1</b> |           |                              |            |                | <b>200000</b> |              |              |
| 010                  | IT1       | Baseline Item Data (Invoice) | M          | 1              |               |              | Must use     |
| 050                  | CTP       | Pricing Information          | O          | 25             |               | N2/050       | Used         |
| <b>LOOP ID - PID</b> |           |                              |            |                | <b>1000</b>   |              |              |
| 060                  | PID       | Product/Item Description     | O          | 1              |               |              | Used         |

### Summary:

| <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                  | TDS       | Total Monetary Value Summary                         | M          | 1              |               |              | Must use     |
| 020                  | TXI       | Tax Information                                      | O          | 10             |               |              | Used         |
| 030                  | CAD       | Carrier Detail                                       | M          | 1              |               |              | Must use     |
| <b>LOOP ID - SAC</b> |           |  |            |                | <b>25</b>     |              |              |
| 040                  | SAC       | Service, Promotion, Allowance, or Charge Information | O          | 1              |               |              | Used         |
| <b>LOOP ID - ISS</b> |           |  |            |                | <b>&gt;1</b>  |              |              |
| 060                  | ISS       | Invoice Shipment Summary                             | O          | 1              |               |              | Used         |
| 070                  | CTT       | Transaction Totals                                   | O          | 1              |               | N3/070       | Used         |
| 080                  | SE        | Transaction Set Trailer                              | M          | 1              |               |              | Must use     |

### Notes:

2/050 This segment can be used when the price and quantity are in different units of measure.

3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

# ST Transaction Set Header

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

**User Option (Usage):** Must use

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

## 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            | Must use     |

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

**CodeList Summary** (Total Codes: 298, Included: 1)

**Code Name**

810 Invoice

|      |     |                                |   |    |     |          |
|------|-----|--------------------------------|---|----|-----|----------|
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

**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).

# BIG Beginning Segment for Invoice

|                     |             |
|---------------------|-------------|
| Pos: 020            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 5 |

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## 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> |
|------------|-----------|---|---------------|-------------|----------------|--------------|
| BIG01      | 373       | <b>Date</b>   | M             | DT          | 8/8            | Must use     |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |               |             |                |              |
| BIG02      | 76        | <b>Invoice Number</b>   | M             | AN          | 1/22           | Must use     |
|            |           | <b>Description:</b> Identifying number assigned by issuer                                   |               |             |                |              |
| BIG03      | 373       | <b>Date</b>   | O             | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |               |             |                |              |
| BIG04      | 324       | <b>Purchase Order Number</b>  | M             | AN          | 1/22           | Must use     |
|            |           | <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser |               |             |                |              |
| BIG07      | 640       | <b>Transaction Type Code</b>  | O             | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the type of transaction                                 |               |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 446, Included: 1)                                     |               |             |                |              |
|            |           | <u>Code</u>   | <u>Name</u>   |             |                |              |
|            |           | DI  | Debit Invoice |             |                |              |

## Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.

## Comments:

1. BIG07 is used only to further define the type of invoice when needed.

# CUR Currency

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

**User Option (Usage):** Must use

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

## 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> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| CUR01      | 98        | Entity Identifier Code | M          | ID          | 2/3            | Must use     |

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1312, Included: 2)

**Code Name**

- BY Buying Party (Purchaser)
- SE Selling Party

|       |     |               |   |    |     |          |
|-------|-----|---------------|---|----|-----|----------|
| CUR02 | 100 | Currency Code | M | ID | 3/3 | Must use |
|-------|-----|---------------|---|----|-----|----------|

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

# REF Reference Identification

|                     |             |
|---------------------|-------------|
| Pos: 050            | Max: 12     |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** To specify identifying information

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| REF01      | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 2)

**Code Name**

- BM Bill of Lading Number
- OR Order/Paragraph Number

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| REF02 | 127 | Reference Identification | C | AN | 1/30 | Used |
|-------|-----|--------------------------|---|----|------|------|

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

# N1 Name

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 070</b>            | <b>Max: 1</b>      |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: N1</b>            | <b>Elements: 4</b> |

**User Option (Usage):** Must use

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

## 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            | Must use     |

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1312, Included: 3)

**Code Name**

BT Bill-to-Party  
 RI Remit To  
 ST Ship To

|      |    |             |   |    |      |      |
|------|----|-------------|---|----|------|------|
| N102 | 93 | <b>Name</b> | C | AN | 1/60 | Used |
|------|----|-------------|---|----|------|------|

**Description:** Free-form name

|      |    |                                      |   |    |     |      |
|------|----|--------------------------------------|---|----|-----|------|
| N103 | 66 | <b>Identification Code Qualifier</b> | C | ID | 1/2 | Used |
|------|----|--------------------------------------|---|----|-----|------|

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**All valid standard codes are used. (Total Codes: 215)**

|      |    |                            |   |    |      |      |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | <b>Identification Code</b> | C | AN | 2/80 | Used |
|------|----|----------------------------|---|----|------|------|

**Description:** 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.

# N3 Address Information

|                    |             |
|--------------------|-------------|
| Pos: 090           | Max: 2      |
| Heading - Optional |             |
| Loop: N1           | Elements: 1 |

**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       | Address Information | M          | AN          | 1/55           | Must use     |

**Description:** Address information



# N4 Geographic Location

|                    |             |
|--------------------|-------------|
| Pos: 100           | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify the geographic place 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| 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          | AN          | 3/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |

## Comments:

1. N402 is required only if city name (N401) is in the U.S. or Canada.

# ITD Terms of Sale/Deferred Terms of Sale

|                     |             |
|---------------------|-------------|
| Pos: 130            | Max: >1     |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 6 |

User Option (Usage): Used

Purpose: To specify terms of sale

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| ITD01      | 336       | Terms Type Code     | O          | ID          | 2/2            | Used         |

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 65, Included: 1)

Code Name

01 Basic

|       |     |                       |   |    |     |      |
|-------|-----|-----------------------|---|----|-----|------|
| ITD02 | 333 | Terms Basis Date Code | O | ID | 1/2 | Used |
|-------|-----|-----------------------|---|----|-----|------|

**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 1)

Code Name

3 Invoice Date

|       |     |                        |   |   |     |      |
|-------|-----|------------------------|---|---|-----|------|
| ITD03 | 338 | Terms Discount Percent | O | R | 1/6 | Used |
|-------|-----|------------------------|---|---|-----|------|

**Description:** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

|       |     |                         |   |    |     |      |
|-------|-----|-------------------------|---|----|-----|------|
| ITD05 | 351 | Terms Discount Days Due | C | N0 | 1/3 | Used |
|-------|-----|-------------------------|---|----|-----|------|

**Description:** Number of days in the terms discount period by which payment is due if terms discount is earned

|       |     |                |   |    |     |      |
|-------|-----|----------------|---|----|-----|------|
| ITD07 | 386 | Terms Net Days | O | N0 | 1/3 | Used |
|-------|-----|----------------|---|----|-----|------|

**Description:** Number of days until total invoice amount is due (discount not applicable)

|       |     |             |   |    |      |      |
|-------|-----|-------------|---|----|------|------|
| ITD12 | 352 | Description | O | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

**Description:** A free-form description to clarify the related data elements and their content

## Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.

# IT1 Baseline Item Data (Invoice)

|                    |             |
|--------------------|-------------|
| Pos: 010           | Max: 1      |
| Detail - Mandatory |             |
| Loop: IT1          | Elements: 6 |

**User Option (Usage):** Must use

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## 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> |
|------------|-----------|--|---------------------------------|-------------|----------------|--------------|
| IT101      | 350       | <b>Assigned Identification</b>   | M                               | AN          | 1/20           | Must use     |
|            |           | <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set                                  |                                 |             |                |              |
| IT102      | 358       | <b>Quantity Invoiced</b>   | C                               | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Number of units invoiced (supplier units)  |                                 |             |                |              |
| IT103      | 355       | <b>Unit or Basis for Measurement Code</b>  | C                               | 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>All valid standard codes are used. (Total Codes: 794)</b>   |                                 |             |                |              |
| IT104      | 212       | <b>Unit Price</b>  | C                               | R           | 1/17           | Used         |
|            |           | <b>Description:</b> Price per unit of product, service, commodity, etc.  |                                 |             |                |              |
| IT106      | 235       | <b>Product/Service ID Qualifier</b>  | C                               | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)                    |                                 |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 477, Included: 2)  |                                 |             |                |              |
|            |           | <b><u>Code</u></b>   | <b><u>Name</u></b>              |             |                |              |
|            |           | IN   | Buyer's Item Number             |             |                |              |
|            |           | VN   | Vendor's (Seller's) Item Number |             |                |              |
| IT107      | 234       | <b>Product/Service ID</b>  | C                               | AN          | 1/48           | Must use     |
|            |           | <b>Description:</b> Identifying number for a product or service  |                                 |             |                |              |

## Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.

## Semantics:

1. IT101 is the purchase order line item identification.

## Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.

# CTP Pricing Information

|                   |             |
|-------------------|-------------|
| Pos: 050          | Max: 25     |
| Detail - Optional |             |
| Loop: IT1         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format.

## 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> |
|---|-----------|------------------------------|------------|-------------|----------------|--------------|
| CTP02   | 236       | <b>Price Identifier Code</b> | M          | ID          | 3/3            | Must use     |
| <b>Description:</b> Code identifying the type of the amount |           |                              |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 164, Included: 1)     |           |                              |            |             |                |              |
| <b>Code Name</b>  |           |                              |            |             |                |              |
| NET Extended Price Amount                                   |           |                              |            |             |                |              |
| CTP03   | 212       | <b>Unit Price</b>            | M          | R           | 1/17           | Must use     |
| <b>Description:</b> Extended Price Amount                   |           |                              |            |             |                |              |

# PID Product/Item Description

|                   |             |
|-------------------|-------------|
| Pos: 060          | Max: 1      |
| Detail - Optional |             |
| Loop: PID         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## 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> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| PID01      | 349       | Item Description Type | M          | ID          | 1/1            | Must use     |

**Description:** Code indicating the format of a description

**CodeList Summary** (Total Codes: 3, Included: 1)

**Code Name**

F Free-form

|       |     |             |   |    |      |      |
|-------|-----|-------------|---|----|------|------|
| PID05 | 352 | Description | C | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

**Description:** A free-form description to clarify the related data elements and their content

## Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

# TDS Total Monetary Value Summary

|                     |             |
|---------------------|-------------|
| Pos: 010            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 1 |

**User Option (Usage):** Must use

**Purpose:** To specify the total invoice discounts and amounts

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| TDS01      | 610       | Amount              | M          | N2          | 1/15           | Must use     |

**Description:** Monetary amount

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

## Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

# TXI Tax Information

|                    |             |
|--------------------|-------------|
| Pos: 020           | Max: 10     |
| Summary - Optional |             |
| Loop: N/A          | Elements: 5 |

**User Option (Usage):** Used

**Purpose:** To specify tax information

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| TXI01      | 963       | Tax Type Code       | M          | ID          | 2/2            | Must use     |

**Description:** Code specifying the type of tax

**CodeList Summary** (Total Codes: 74, Included: 6)

**Code Name**

CP County/Parish Sales Tax  
 CS City Sales Tax  
 GS Goods and Services Tax  
 LS State and Local Sales Tax  
 SP State/Provincial Tax  
 ST State Sales Tax

|       |     |                 |   |   |      |      |
|-------|-----|-----------------|---|---|------|------|
| TXI02 | 782 | Monetary Amount | C | R | 1/18 | Used |
|-------|-----|-----------------|---|---|------|------|

**Description:** Monetary amount

|       |     |         |   |   |      |      |
|-------|-----|---------|---|---|------|------|
| TXI03 | 954 | Percent | C | R | 1/10 | Used |
|-------|-----|---------|---|---|------|------|

**Description:** Percentage expressed as a decimal

|       |     |                                 |   |    |     |      |
|-------|-----|---------------------------------|---|----|-----|------|
| TXI04 | 955 | Tax Jurisdiction Code Qualifier | C | ID | 2/2 | Used |
|-------|-----|---------------------------------|---|----|-----|------|

**Description:** Code identifying the source of the data used in tax jurisdiction code

**CodeList Summary** (Total Codes: 3, Included: 2)

**Code Name**

CD Customer defined  
 VD Vendor defined

|       |     |                       |   |    |      |      |
|-------|-----|-----------------------|---|----|------|------|
| TXI05 | 956 | Tax Jurisdiction Code | C | AN | 1/10 | Used |
|-------|-----|-----------------------|---|----|------|------|

**Description:** Code identifying the taxing jurisdiction

## Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.

## Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.

# CAD Carrier Detail

|                     |             |
|---------------------|-------------|
| Pos: 030            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 4 |

**User Option (Usage):** Must use

**Purpose:** To specify transportation details for the transaction

## 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> |
|------------|-----------|---------------------------------|------------|-------------|----------------|--------------|
| CAD01      | 91        | Transportation Method/Type Code | O          | ID          | 1/2            | Used         |

**Description:** Code specifying the method or type of transportation for the shipment  
**All valid standard codes are used. (Total Codes: 71)**

|       |     |         |   |    |      |      |
|-------|-----|---------|---|----|------|------|
| CAD05 | 387 | Routing | C | AN | 1/35 | Used |
|-------|-----|---------|---|----|------|------|

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

|       |     |                                    |   |    |     |      |
|-------|-----|------------------------------------|---|----|-----|------|
| CAD07 | 128 | Reference Identification Qualifier | O | ID | 2/3 | Used |
|-------|-----|------------------------------------|---|----|-----|------|

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

BM Bill of Lading Number

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| CAD08 | 127 | Reference Identification | C | 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. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.



# SAC Service, Promotion, Allowance, or Charge Information

Pos: 040 Max: 1  
 Summary - Optional  
 Loop: SAC Elements: 5

**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

**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            | Must use     |

**Description:** Code which indicates an allowance or charge for the service specified

**CodeList Summary** (Total Codes: 7, Included: 2)

Code Name

A Allowance  
 C Charge

|       |      |  |   |    |     |      |
|-------|------|--|---|----|-----|------|
| SAC02 | 1300 | <b>Service, Promotion, Allowance, or Charge Code</b> | C | ID | 4/4 | Used |
|-------|------|--|---|----|-----|------|

**Description:** Code identifying the service, promotion, allowance, or charge

**CodeList Summary** (Total Codes: 1053, Included: 5)

Code Name

B800 Credit  
 D240 Freight  
 D270 Fuel Surcharge  
 F180 Pallet  
 I390 Unloading

|       |     |               |   |    |      |      |
|-------|-----|---------------|---|----|------|------|
| SAC05 | 610 | <b>Amount</b> | O | N2 | 1/15 | Used |
|-------|-----|---------------|---|----|------|------|

**Description:** Monetary amount

|       |     |  |   |    |     |      |
|-------|-----|--|---|----|-----|------|
| SAC12 | 331 | <b>Allowance or Charge Method of Handling Code</b> | O | ID | 2/2 | Used |
|-------|-----|--|---|----|-----|------|

**Description:** Code indicating method of handling for an allowance or charge

**CodeList Summary** (Total Codes: 22, Included: 2)

Code Name

02 Off Invoice  
 06 Charge to be Paid by Customer

|       |     |                    |   |    |      |      |
|-------|-----|--------------------|---|----|------|------|
| SAC15 | 352 | <b>Description</b> | C | AN | 1/80 | Used |
|-------|-----|--------------------|---|----|------|------|

**Description:** A free-form description to clarify the related data elements and their content

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 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.

# ISS Invoice Shipment Summary

|                    |             |
|--------------------|-------------|
| Pos: 060           | Max: 1      |
| Summary - Optional |             |
| Loop: ISS          | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ISS01      | 382       | <b>Number of Units Shipped</b>   | C          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set             |            |             |                |              |
| ISS02      | 355       | <b>Unit or Basis for Measurement Code</b>  | C          | 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>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| ISS03      | 81        | <b>Weight</b>  | C          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of weight  |            |             |                |              |
| ISS04      | 355       | <b>Unit or Basis for Measurement Code</b>  | C          | 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>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |

## Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.

# CTT Transaction Totals

|                    |             |
|--------------------|-------------|
| Pos: 070           | Max: 1      |
| Summary - Optional |             |
| Loop: N/A          | Elements: 1 |

**User Option (Usage):** Used

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

## 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> |
|------------|-----------|----------------------|------------|-------------|----------------|--------------|
| CTT01      | 354       | Number of Line Items | M          | NO          | 1/6            | Must use     |

**Description:** Total number of line items in the transaction set

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 080            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**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)

## 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        | <b>Number of Included Segments</b>  | M          | N0          | 1/10           | Must use     |
|            |           | <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments   |            |             |                |              |
| SE02       | 329       | <b>Transaction Set Control Number</b>   | M          | AN          | 4/9            | Must use     |
|            |           | <b>Description:</b> 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.