

# 810 Invoice - DSD (Dayton's, Hudson's, Marshall Field's)

## Revised Oct. 13, 1998

Functional Group ID=**IN**

### Introduction:

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. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
>>	010	ST	Transaction Set Header	M	1		
>>	020	BIG	Beginning Segment for Invoice	M	1		
>>	050	REF	Reference Identification	M	12		
LOOP ID - N1						200	
>>	070	N1	Name	M	1		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
>>	130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1		
>>	140	DTM	Date/Time Reference	M	10		

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
>>	010	IT1	Baseline Item Data (Invoice)	M	1		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		

### Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
>>	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
LOOP ID - SAC						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS						>1	
	060	ISS	Invoice Shipment Summary	O	1		
>>	070	CTT	Transaction Totals	M	1		n1
>>	080	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

4010810D (004010)

October 13, 1998

1. 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.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**  
**Notes:**

```

*****
Sample ST Segment
-----
ST*810*0001
*****
  
```

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<b>ST01</b> <b>143</b>	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 810 Invoice	<b>M ID 3/3</b>
>>	<b>ST02</b> <b>329</b>	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.</i>	<b>M AN 4/9</b>

**Segment:** **BIG** Beginning Segment for Invoice  
**Position:** 020  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

**Syntax Notes:**  
**Semantic Notes:**

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

**Comments:**  
**Notes:**

1 BIG07 is used only to further define the type of invoice when needed.  
 \*\*\*\*\*  
*Sample BIG Segments*  
 \*\*\*\*\*  
 If you are receiving POs in version 4010, the PO number format could be one of the following:  
 BIG\*20000314\*1234567\*\*1234-7654321-1234  
 \*\*\*\*\*  
 BIG\*20000314\*1234567\*\*1234-7654321  
 \*\*\*\*\*  
 If you are receiving POs in a version less than 4010, the PO number format will be as follows:  
 BIG\*20000314\*4567123\*\*1234567  
 \*\*\*\*\*

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	BIG01	373 Date	M DT 8/8
		Date expressed as CCYYMMDD	
		<i>Invoice Issue Date</i>	
>>	BIG02	76 Invoice Number	M AN 1/22
		Identifying number assigned by issuer	
	BIG03	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
		<i>Not used by DSD</i>	
>>	BIG04	324 Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
		<i>Retailer's original purchase order number. Return the PO number as you received it on the 850 BEG segment.</i>	
	BIG05	328 Release Number	O AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
		<i>Not used by DSD</i>	
	BIG06	327 Change Order Sequence Number	O AN 1/8
		Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
		<i>Not used by DSD</i>	
	BIG07	640 Transaction Type Code	O ID 2/2

Code specifying the type of transaction

*This data element is only used when special identification of the invoice is needed, between trading partners, to support business needs.*

*To indicate a Drop Shipment invoice, use the character code 'DO'. A Drop Shipment indicates that the merchandise was sent directly to the guest. The N3 and N4 segments are mandatory when this code is used.*

*To indicate a Freight Only invoice, use the character code 'FO'. An N1 'SF' loop and an N4 loop are required for an 'FO' invoice.*

*All other invoices should use blanks in this element.*

*DSD has requested that the 'DO' and 'FO' codes be added to the list of valid codes through the UCC.*

DO	Drop Shipment Invoice
FO	Freight Only Invoice

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:**

\*\*\*\*\*  
*Two occurrences of the REF segment must be sent.*  
*'DP' is required. This is the department number you received on the PO.*  
*'IA' is required. This is the 7-digit assigned vendor number.*

*Sample REF Segment*

---

REF\*IA\*1234567  
REF\*DP\*226  
\*\*\*\*\*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>M ID 2/3</b>
		DP Department Number	
		IA Internal Vendor Number	
REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>If REF01='DP', this is the department number.</i> <i>If REF01='IA', this is the 7-digit vendor number.</i>	<b>X AN 1/30</b>

**Segment:** N1 Name  
**Position:** 070  
**Loop:** N1 Mandatory  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

**Notes:** \*\*\*\*\*  
*The 'BY' and 'ST' occurrences are both mandatory.*  
  
*Sample N1 Segment*  


---

*NI\*BY\*\*92\*3001*  
*NI\*ST\*\*92\*3902*  
 \*\*\*\*\*

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>See Notes 1 &amp; 2</i>	
		BY Buying Party (Purchaser)	
		ST Ship To	
	N102	93 Name	X AN 1/60
		Free-form name	
		<i>The name is required if this is a drop shipment (DO) invoice. A 'DO' invoice is identified in the BIG07 field.</i>	
>>	N103	66 Identification Code Qualifier	M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		92 Assigned by Buyer or Buyer's Agent	
>>	N104	67 Identification Code	M AN 2/80
		Code identifying a party or other code	
		<i>This is the location code.</i>	

**Segment:** N3 Address Information  
**Position:** 090  
**Loop:** N1 Mandatory  
**Level:** Heading:  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

```

*****
If BIG07='DO', N3 is a required segment.

Sample N3 Segment

-----
N3*250 RITTENHOUSE CIRCLE
*****

```

**Data Element Summary**

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>> N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55



**Segment:** **N4 Geographic Location**  
**Position:** 100  
**Loop:** N1 Mandatory  
**Level:** Heading:  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** \*\*\*\*\*  
*If BIG07='DO', N4 is a required segment*  
  
*Sample N4 Segment*  


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*N4\*BRISTOL\*PA\*19007*  
 \*\*\*\*\*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** >1  
**Purpose:** To specify terms of sale  
**Syntax Notes:**

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

**Semantic Notes:**

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

**Comments:**

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

**Notes:**

\*\*\*\*\*  
*Sample ITD Segment*  
 -----  
 ITD\*12\*\*8\*20000324\*34\*20000324\*34\*\*\*\*\*8/10 EOM  
 \*\*\*\*\*  
 DSD terms are based on the merchandise receipt date.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>> ITD01	336	<b>Terms Type Code</b> Code identifying type of payment terms	<b>M ID 2/2</b>
		01 Basic	
		02 End of Month (EOM)	
		05 Discount Not Applicable	
		08 Basic Discount Offered	
		09 Proximo	
		12 10 Days After End of Month (10 EOM)	
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period	<b>O ID 1/2</b>
		<i>Not used by DSD</i>	
ITD03	338	<b>Terms Discount Percent</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date <i>The percent is sent with a decimal point only when needed, e.g. 10.5% is sent as "10.5", and 2% is sent as "2". Percentage of discount allowed if paid within terms.</i>	<b>O R 1/6</b>
ITD04	370	<b>Terms Discount Due Date</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD <i>Date discount is due if discount is to be earned.</i>	<b>X DT 8/8</b>
ITD05	351	<b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned <i>Number of days before payment is due if discount is to be earned.</i>	<b>X N0 1/3</b>
ITD06	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due expressed in format CCYYMMDD <i>Date total invoice amount becomes due .</i>	<b>O DT 8/8</b>
ITD07	386	<b>Terms Net Days</b>	<b>O N0 1/3</b>

		Number of days until total invoice amount is due (discount not applicable)		
		<i>Number of days total invoice amount due.</i>		
<b>ITD08</b>	<b>362</b>	<b>Terms Discount Amount</b>	<b>O</b>	<b>N2 1/10</b>
		Total amount of terms discount		
		<i>Not used by DSD</i>		
<b>ITD09</b>	<b>388</b>	<b>Terms Deferred Due Date</b>	<b>O</b>	<b>DT 8/8</b>
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD		
		<i>Not used by DSD</i>		
<b>ITD10</b>	<b>389</b>	<b>Deferred Amount Due</b>	<b>X</b>	<b>N2 1/10</b>
		Deferred amount due for payment		
		<i>Not used by DSD</i>		
<b>ITD11</b>	<b>342</b>	<b>Percent of Invoice Payable</b>	<b>X</b>	<b>R 1/5</b>
		Amount of invoice payable expressed in percent		
		<i>Not used by DSD</i>		
<b>ITD12</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/80</b>
		A free-form description to clarify the related data elements and their content		
		<i>Free-form terms description</i>		

**Segment:** **DTM** Date/Time Reference

**Position:** 140

**Loop:**

**Level:** Heading:

**Usage:** Mandatory

**Max Use:** 10

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

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

\*\*\*\*\*

*Sample DTM Segment*

*DTM\*011\*20000315*

\*\*\*\*\*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
>> <b>DTM01</b>	<b>374 Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 011 Shipped	<b>M ID 3/3</b>
<b>DTM02</b>	<b>373 Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 010  
**Loop:** IT1 Mandatory  
**Level:** Detail:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
  - 2 If either IT106 or IT107 is present, then the other is required.
  - 3 If either IT108 or IT109 is present, then the other is required.
  - 4 If either IT110 or IT111 is present, then the other is required.
  - 5 If either IT112 or IT113 is present, then the other is required.
  - 6 If either IT114 or IT115 is present, then the other is required.
  - 7 If either IT116 or IT117 is present, then the other is required.
  - 8 If either IT118 or IT119 is present, then the other is required.
  - 9 If either IT120 or IT121 is present, then the other is required.
  - 10 If either IT122 or IT123 is present, then the other is required.
  - 11 If either IT124 or IT125 is present, then the other is required.

**Semantic Notes:** 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.
  - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** \*\*\*\*\*  
*UP or EN must be sent, CB & VA are optional.*

*Sample IT1 Segment*

*IT1\*2\*3\*EA\*119.26\*\*UP\*797710396690\*VA\*20263*

\*\*\*\*\*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
IT101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>O AN 1/20</b>
IT102	358	<b>Quantity Invoiced</b> Number of units invoiced (supplier units)	<b>X R 1/10</b>
IT103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	<b>X ID 2/2</b>
IT104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>X R 1/17</b>

*The price is sent with a decimal point only when needed, e.g. \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".  
To indicate free goods, use a single zero (0) with code NC as the value in IT105.*

**IT105 639 Basis of Unit Price Code O ID 2/2**

Code identifying the type of unit price for an item

*This data element is used to clarify or alter the basis of unit price. The unit price expressed in IT104 is always in the same terms as the unit of measure in IT103, unless otherwise specified in IT105.*

		WD	Wholesale Price per Dozen		
		WE	Wholesale Price per Each		
<b>IT106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CB	Buyer's Catalog Number		
		EN	European Article Number (EAN) (2-5-5-1)		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
<b>IT107</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service			
<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CB	Buyer's Catalog Number		
		EN	European Article Number (EAN) (2-5-5-1)		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service			
<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service			

**Segment:** **PID** **Product/Item Description**  
**Position:** 060  
**Loop:** PID Optional  
**Level:** Detail:  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax Notes:**

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

**Semantic Notes:**

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.

**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.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

**Notes:**

```
*****
Sample PID Segment
*****
PID*F*08***DBPKLPL W/SD PLT SKT
*****
```

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> PID01	349	<b>Item Description Type</b> Code indicating the format of a description F Free-form The description will be found in PID05.	M ID 1/1
PID02	750	<b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic 08 Product	O ID 2/3
PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <i>Not used by DSD</i>	X ID 2/2
PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic <i>Not used by DSD</i>	X AN 1/12
PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

**Segment:** **TDS** Total Monetary Value Summary  
**Position:** 010  
**Loop:**  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the total invoice discounts and amounts  
**Syntax Notes:**  
**Semantic Notes:**

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

**Comments:**

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

**Notes:**

```

*****
Sample TDS Segment
-----
TDS*95408*95408
*****

```

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> TDS01	610	Amount Monetary amount <i>Amount of invoice in U.S. dollars (including charges, less allowances) before terms discount (if discount is applicable).</i>	M N2 1/15
TDS02	610	Amount Monetary amount <i>Amount upon which the terms discount amount is calculated.</i>	O N2 1/15



**Segment:** CAD Carrier Detail

**Position:** 030

**Loop:**

**Level:** Summary:

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1 At least one of CAD05 or CAD04 is required.

2 If CAD07 is present, then CAD08 is required.

**Semantic Notes:**

**Comments:**

**Notes:**

\*\*\*\*\*

*Sample CAD Segment*

CAD\*M\*\*\*NEMF\*\*\*BM\*980324

\*\*\*\*\*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CAD01	91	<b>Transportation Method/Type Code</b>	<b>O ID 1/2</b>
		Code specifying the method or type of transportation for the shipment	
		A Air	
		J Motor	
		M Motor (Common Carrier)	
		MP Motor (Package Carrier)	
		P Private Carrier	
		R Rail	
		S Ocean	
		SE Sea/Air	
		VA Motor (Van)	
		X Intermodal (Piggyback)	
CAD02	206	<b>Equipment Initial</b>	<b>O AN 1/4</b>
		Prefix or alphabetic part of an equipment unit's identifying number	
		<i>Not used by DSD</i>	
CAD03	207	<b>Equipment Number</b>	<b>O AN 1/10</b>
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
		<i>Not used by DSD</i>	
>> CAD04	140	<b>Standard Carrier Alpha Code</b>	<b>M ID 2/4</b>
		Standard Carrier Alpha Code	
CAD05	387	<b>Routing</b>	<b>X AN 1/35</b>
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
		<i>Not used by DSD</i>	
CAD06	368	<b>Shipment/Order Status Code</b>	<b>O ID 2/2</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	
		<i>Not used by DSD</i>	
CAD07	128	<b>Reference Identification Qualifier</b>	<b>O ID 2/3</b>

Code qualifying the Reference Identification

BM Bill of Lading Number

CN Carrier's Reference Number (PRO/Invoice)

**CAD08 127 Reference Identification X AN 1/30**

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

**Segment:** SAC Service, Promotion, Allowance, or Charge Information  
**Position:** 040  
**Loop:** SAC Optional  
**Level:** Summary:  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
  - 2 If either SAC03 or SAC04 is present, then the other is required.
  - 3 If either SAC06 or SAC07 is present, then the other is required.
  - 4 If either SAC09 or SAC10 is present, then the other is required.
  - 5 If SAC11 is present, then SAC10 is required.
  - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
  - 7 If SAC14 is present, then SAC13 is required.
  - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
  - 3 SAC08 is the allowance or charge rate per unit.
  - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
  - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
  - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
  - 7 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.

**Notes:**

\*\*\*\*\*  
*This segment used for 'DO', Direct Ship to Guest, invoices.*  
 \*\*\*\*\*

*Sample SAC Segment*

SAC\*C\*D240\*\*\*37I\*\*\*\*\*FREIGHT  
 \*\*\*\*\*

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	

SAC02 1300 Service, Promotion, Allowance, or Charge Code X ID 4/4

Code identifying the service, promotion, allowance, or charge

B860	Customs Broker Fee
C220	Development Charge
C530	Duty Charge
D240	Freight
D505	Hanger
D730	Import Service Fee
D980	Insurance
E560	Marking or Tagging Charge
F050	Other (See related description)
	Miscellaneous (e.g. engraving)
H850	Tax

<b>SAC03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the agency assigning the code values		
		<i>Not used by DSD</i>		
<b>SAC04</b>	<b>1301</b>	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	<b>X</b>	<b>AN 1/10</b>
		Agency maintained code identifying the service, promotion, allowance, or charge		
<b>SAC05</b>	<b>610</b>	<b>Amount</b>	<b>O</b>	<b>N2 1/15</b>
		Monetary amount		
		<i>If SAC01 contains code 'A' or code 'C', this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e. rounding errors when allowances or charges are expressed in percentages or rates.</i>		
<b>SAC06</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>	<b>X</b>	<b>ID 1/1</b>
		Code indicating on what basis allowance or charge percent is calculated		
<b>SAC07</b>	<b>332</b>	<b>Percent</b>	<b>X</b>	<b>R 1/6</b>
		Percent expressed as a percent		
		<i>Allowance or charge expressed as percent. The percent is sent with a decimal point only when needed, e.g. 10.5% is sent as "10.5" and 2% is sent as "2".</i>		
		<i>Allowance percent is used only if SAC01 is 'A'.</i>		
<b>SAC08</b>	<b>118</b>	<b>Rate</b>	<b>O</b>	<b>R 1/9</b>
		Rate expressed in the standard monetary denomination for the currency specified		
		<i>Not used by DSD</i>		
<b>SAC09</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
<b>SAC10</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
		Numeric value of quantity		
<b>SAC11</b>	<b>380</b>	<b>Quantity</b>	<b>O</b>	<b>R 1/15</b>
		Numeric value of quantity		
		<i>Not used by DSD</i>		
<b>SAC12</b>	<b>331</b>	<b>Allowance or Charge Method of Handling Code</b>	<b>O</b>	<b>ID 2/2</b>
		Code indicating method of handling for an allowance or charge		
<b>SAC13</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		<i>Not used by DSD</i>		
<b>SAC14</b>	<b>770</b>	<b>Option Number</b>	<b>O</b>	<b>AN 1/20</b>
		A unique number identifying available promotion or allowance options when		

more than one is offered

*Not used by DSD*

**SAC15**

**352**

**Description**

**O AN 1/80**

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

**Segment:** **ISS Invoice Shipment Summary**  
**Position:** 060  
**Loop:** ISS Optional  
**Level:** Summary:  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume

- Syntax Notes:**
- 1 At least one of ISS01 ISS03 or ISS05 is required.
  - 2 If either ISS01 or ISS02 is present, then the other is required.
  - 3 If either ISS03 or ISS04 is present, then the other is required.
  - 4 If either ISS05 or ISS06 is present, then the other is required.

- Semantic Notes:**
- 1 ISS07 is the quantity of third party pallets.
  - 2 ISS08 is the gross weight of third party pallets in pounds.

**Comments:**

**Notes:**

\*\*\*\*\*

*Sample ISS Segment*

*ISS\*1\*CT\*22\*LB*

*All elements are mandatory for Freight Only Invoices.*

\*\*\*\*\*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ISS01	382		<b>Number of Units Shipped</b>	<b>X R 1/10</b>
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
			<i>Number of cartons or eaches/hangers shipped</i>	
ISS02	355		<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CT Carton	
			EA Each	
ISS03	81		<b>Weight</b>	<b>X R 1/10</b>
			Numeric value of weight	
			<i>Total carton weight</i>	
ISS04	355		<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			LB Pound	

**Segment:** **CTT** Transaction Totals

**Position:** 070

**Loop:**

**Level:** Summary:

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

\*\*\*\*\*  
*Sample CTT Segment*  
-----  
*CTT\*1*  
\*\*\*\*\*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<b>354</b>	<b>Number of Line Items</b>	<b>M N0 1/6</b>
		Total number of line items in the transaction set	
		<i>Number of IT1 segments present in the transaction set</i>	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** \*\*\*\*\*

*Sample SE Segment*

*SE\*16\*0001*

\*\*\*\*\*

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments <i>Total number of segments in the transaction set, including ST and SE</i>
>>	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>This must be the same number as in the ST segment (ST02) for the transaction set</i>