# Cardinal Distribution
**a Cardinal Health Company**
**810 Invoice Guidelines**                                    **Functional Group ID=IN**

The information presented in this document is provided to establish the requirements of Cardinal Distribution   in passing documents electronically using EDI technology with our trading partners.   Standards were developed using the "Industry Conventions and Implementation Guidelines for Electronic Data Interchange" documentation of the National Wholesale Druggists* Association and are the requirements of our Accounts Payable Group.   Please contact our EDI Support Staff at (614) 717-5334 with any questions.

## Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| Must Use | 010 | ST | Transaction Set Header | M | 1 | | |
| Must Use | 020 | BIG | Beginning Segment for Invoice | M | 1 | | |
| | 030 | NTE | Note/Special Instruction | O | 100 | | |
| | 050 | REF | Reference Identification | O | 12 | | |
| | | | LOOP ID - N1 | | | 200 | |
| Must Use | 070 | N1 | Name | M | 1 | | |
| | 080 | N2 | Additional Name Information | O | 2 | | |
| | 090 | N3 | Address Information | O | 2 | | |
| | 100 | N4 | Geographic Location | O | 1 | | |
| | 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | >1 | | |
| | 140 | DTM | Date/Time Reference | O | 10 | | |
| Rec | 145 | DTM | Date/Time Reference | O | 1 | | |

## Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - IT1 | | | 200000 | |
| Must Use | 010 | IT1 | Baseline Item Data (Invoice) | M | 1 | | |
| Rec | 030 | IT3 | Additional Item Data | O | 5 | | |
| | | | LOOP ID - PID | | | 1000 | |
| | 060 | PID | Product/Item Description | O | 1 | | |
| | | | LOOP ID - SAC | | | 25 | |
| | 180 | SAC | Service, Promotion, Allowance, or Charge Information | O | 1 | | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| Must Use | 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 | | |
| Must Use | 070 | CTT | Transaction Totals | M | 1 | | n1 |
| Must Use | 080 | SE | Transaction Set Trailer | M | 1 | | |

| **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:** | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
| --- | --- | --- | --- | --- |
| >> | ST01 | 143 | **Transaction Set Identifier Code** Code uniquely identifying a Transaction Set | M ID 3/3 |
| | | | 810 Invoice | |
| >> | ST02 | 329 | **Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This is a sequential control number | M AN 4/9 |

| | | | |
|---|---|---|---|
| **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:** | **1** | BIG07 is used only to further define the type of invoice when needed. | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **BIG01** | **373** | **Date** | **M DT 8/8** |
| | | | Date expressed as CCYYMMDD | |
| >> | **BIG02** | **76** | **Invoice Number** | **M AN 1/22** |
| | | | Identifying number assigned by issuer | |
| >> | **BIG03** | **373** | **Date** | **M DT 8/8** |
| | | | Date expressed as CCYYMMDD | |
| >> | **BIG04** | **324** | **Purchase Order Number** | **M AN 1/22** |
| | | | Identifying number for Purchase Order assigned by the orderer/purchaser | |
| | | | Cardinal requires that you return the purchase order number submitted on the invoice | |
| >> | **BIG07** | **640** | **Transaction Type Code** | **M ID 2/2** |
| | | | Code specifying the type of transaction | |
| | | | Cardinal requires a 'DO' code on all dropship invoices | |
| | | | DO Drop Shipment Invoice | |
| | | | PR Product (or Service) | |

|  | **Segment:** | **REF** Reference Identification |
| --- | --- | --- |

**Segment:** **REF** Reference Identification
**Position:** 050
**Loop:**
**Level:** Heading:
**Usage:** Optional
**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:**

<div align="center">

**Data Element Summary**

</div>

| | Ref.<br>Des. | Data<br>Element | Name | Attributes |
| --- | --- | --- | --- | --- |
| >> | **REF01** | **128** | **Reference Identification Qualifier** | **M  ID 2/3** |
| | | | Code qualifying the Reference Identification | |
| | | | AP            Accounts Receivable Number | |
| | **REF02** | **127** | **Reference Identification** | **X   AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | |

**Segment:** # N1 Name

| | |
|---|---|
| **Position:** | 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. |

### Data Element Summary

| Ref. Des. | 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 | | |
| | | BS        Bill and Ship To | | |
| | | BT        Bill-to-Party | | |
| | | ST        Ship To | | |
| | |           Required by Cardinal on all dropship invoices | | |
| | | SU        Supplier/Manufacturer | | |
| N102 | 93 | **Name** | X | AN 1/60 |
| | | Free-form name | | |
| N103 | 66 | **Identification Code Qualifier** | X | ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) | | |
| | | 1         D-U-N-S Number, Dun & Bradstreet | | |
| | | 9         D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | |
| | | 11       Drug Enforcement Administration (DEA) | | |
| | | 21       Health Industry Number (HIN) | | |
| N104 | 67 | **Identification Code** | X | AN 2/80 |
| | | Code identifying a party or other code | | |

| | | | |
|---|---|---|---|
| **Segment:** | $N2$ **Additional Name Information** | | |
| **Position:** | 080 | | |
| **Loop:** | N1 | Mandatory | |
| **Level:** | Heading: | | |
| **Usage:** | Optional | | |
| **Max Use:** | 2 | | |
| **Purpose:** | To specify additional names or those longer than 35 characters in length | | |
| **Syntax Notes:** | | | |
| **Semantic Notes:** | | | |
| **Comments:** | | | |
| **Notes:** | Required by Cardinal on all dropship invoices | | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| >>   N201 | 93 | **Name** | **M    AN 1/60** |
| | | Free-form name | |

| | | |
|---|---|---|
| **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:** | Required by Cardinal on all dropship invoices | |

### Data Element Summary

| Ref.<br>Des. | Data<br>Element | Name | Attributes |
|---|---|---|---|
| >> | N301 | 166 | **Address Information** | M AN 1/55 |
| | | | Address information | |

| | | **Segment:** | **N4** Geographic Location |
|---|---|---|---|

**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:**    Required by Cardinal on all dropship invoices

### Data Element Summary

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| >> | **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) | | |

| Segment: | **ITD** Terms of Sale/Deferred Terms of Sale |
| --- | --- |
| **Position:** | 130 |
| **Loop:** | |
| **Level:** | Heading: |
| **Usage:** | Optional |
| **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. |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | |
| --- | --- | --- | --- | --- |
| ITD01 | 336 | **Terms Type Code** | O | ID 2/2 |
| | | Code identifying type of payment terms | | |
| | | Not used by Cardinal | | |
| ITD02 | 333 | **Terms Basis Date Code** | O | ID 1/2 |
| | | Code identifying the beginning of the terms period | | |
| | | Not used by Cardinal - Cardinal ALWAYS uses invoice date | | |
| ITD03 | 338 | **Terms Discount Percent** | O | R 1/6 |
| | | Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | | |
| ITD04 | 370 | **Terms Discount Due Date** | X | DT 8/8 |
| | | Date payment is due if discount is to be earned expressed in format CCYYMMDD | | |
| ITD05 | 351 | **Terms Discount Days Due** | X | N0 1/3 |
| | | Number of days in the terms discount period by which payment is due if terms discount is earned | | |
| ITD06 | 446 | **Terms Net Due Date** | O | DT 8/8 |
| | | Date when total invoice amount becomes due expressed in format CCYYMMDD | | |
| ITD07 | 386 | **Terms Net Days** | O | N0 1/3 |
| | | Number of days until total invoice amount is due (discount not applicable) | | |
| ITD08 | 362 | **Terms Discount Amount** | O | N2 1/10 |
| | | Total amount of terms discount | | |

**Segment:** **DTM** Date/Time Reference
**Position:** 140
**Loop:**
**Level:** Heading:
**Usage:** Optional
**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:**

**Data Element Summary**

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

| | | | |
|---|---|---|---|
| **Segment:** | **DTM** Date/Time Reference | | |
| **Position:** | 145 | | |
| **Loop:** | | | |
| **Level:** | Heading: | | |
| **Usage:** | Optional (Recommended) | | |
| **Max Use:** | 1 | | |
| **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:** | | | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| >>   DTM01 | 374 | **Date/Time Qualifier** | **M   ID 3/3** |
| | | Code specifying type of date or time, or both date and time | |
| | | 017            Estimated Delivery | |
| DTM02 | 373 | **Date** | **X   DT 8/8** |
| | | Date expressed as CCYYMMDD | |

| | | | |
|---|---|---|---|
| **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. | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|---|
| | **IT101** | **350** | **Assigned Identification** | **O** | **AN** | **1/20** |
| | | | Alphanumeric characters assigned for differentiation within a transaction set | | | |
| >> | **IT102** | **358** | **Quantity Invoiced** | **X** | **R** | **1/10** |
| | | | Number of units invoiced (supplier units) | | | |
| >> | **IT103** | **355** | **Unit or Basis for Measurement Code** | **X** | **ID** | **2/2** |
| | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | |
| | | | CA | Case | | |
| | | | CT | Carton | | |
| | | | EA | Each | | |
| >> | **IT104** | **212** | **Unit Price** | **X** | **R** | **1/17** |
| | | | Price per unit of product, service, commodity, etc. | | | |
| >> | **IT106** | **235** | **Product/Service ID Qualifier** | **X** | **ID** | **2/2** |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| | | | Cardinal prefers an 11 digit {numeric} NDC number and prefers to have the same ID information on the Purchase Order returned on the Invoice. Cardinal will not accept alpha numeric NDC numbers and if no NDC number is available an 11 digit {numeric} UPC is acceptable. | | | |
| | | | N4 | National Drug Code in 5-4-2 Format | | |
| | | | UI | U.P.C. Consumer Package Code (1-5-5) | | |

| | | | Segment: | **IT1** Baseline Item Data (Invoice) | | |
|---|---|---|---|---|---|---|
| | | | | **CON'T** | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| >> | **IT107** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |

Identifying number for a product or service

Cardinal requests that the product ID number(s) used to identify the product or service in the invoice be the same ID number(s) used in the purchase order

| | **IT108** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |
|---|---|---|---|---|---|

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

If capable, Cardinal would like to have the Buyers Item Number from the PO108 segment returned on the Invoice in the IT108

| | **IT109** | **234** | **Cardinal Health, Inc., Corporate Item Number** | **X** | **AN 1/48** |
|---|---|---|---|---|---|

Identifying number for a product or service

If capable, Cardinal would like to have the Corporate Item Number from the PO109 segment returned on the Invoice in the IT109

| | | |
|---|---|---|
| **Segment:** | **IT3** Additional Item Data | |
| **Position:** | 030 | |
| **Loop:** | IT1 | Mandatory |
| **Level:** | Detail: | |
| **Usage:** | Optional (Recommended) | |
| **Max Use:** | 5 | |
| **Purpose:** | To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities | |
| **Syntax Notes:** | 1 If either IT301 or IT302 is present, then the other is required. | |
| | 2 At least one of IT301 IT303 IT304 or IT305 is required. | |
| **Semantic Notes:** | | |
| **Comments:** | | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|
| **IT302** | **355** | **Unit or Basis for Measurement Code** | **X** | **ID** | **2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| | |
|---|---|
| CA | Case |
| CT | Carton |
| EA | Each |

| Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|
| **IT303** | **368** | **Shipment/Order Status Code** | **X** | **ID** | **2/2** |

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

| | |
|---|---|
| BO | Back Ordered |
| BP | Shipment Partial, Back Order to Ship on (Date) |
| CM | Shipment Complete with Additional Quantity |
| IS | Item Represents Substitution from Original Order |
| OR | Temporarily Out of Stock - Reorder |

| Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|
| **IT304** | **383** | **Quantity Difference** | **X** | **R** | **1/9** |

Numeric value of variance between ordered and shipped quantities

| | | | |
|---|---|---|---|
| **Segment:** | | **PID** Product/Item Description | |
| **Position:** | 060 | | |
| **Loop:** | PID | Optional | |
| **Level:** | Detail: | | |
| **Usage:** | Optional (Recommended) | | |
| **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. |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **PID01** | **349** | **Item Description Type** | **M   ID 1/1** |
| | | | Code indicating the format of a description | |
| >> | **PID05** | **352** | **Description** | **X   AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | |

| | | | |
|---|---|---|---|
| **Segment:** | **SAC** Service, Promotion, Allowance, or Charge Information | | |

| | |
|---|---|
| **Position:** | 180 |
| **Loop:** | SAC          Optional |
| **Level:** | Detail: |
| **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. |

**Data Element Summary**

| | Ref.<br>Des. | Data<br>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 | | |
| | | | C040          Delivery | | |
| | | | C310          Discount | | |
| | | | D200          Freight Charges to Destination | | |
| | | | D240          Freight | | |
| | | | H660          Tax - Federal Excise Tax, FET | | |
| | | | H850          Tax | | |

Cardinal Health requires that you submit NWDA approved codes only

| | **SAC05** | **610** | **Amount** | **O** | **N2 1/15** |
|---|---|---|---|---|---|
| | | | Monetary amount | | |
| >> | **SAC12** | **331** | **Allowance or Charge Method of Handling Code** | **O** | **ID 2/2** |
| | | | Code indicating method of handling for an allowance or charge | | |
| >> | **SAC15** | **352** | Description | **X** | **ID 1/80** |
| | | | A free-form description to clarify the related data elements and their content | | |

| | 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.

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | TDS01 | 610 | **Total Invoice Amount** | M | N2 1/15 |
| | | | Monetary amount | | |
| | | | Amount of invoice including charges, less allowances & before terms discount {when applicable} | | |
| | TDS02 | 610 | **Amount Subject to Terms Discount** | O | N2 1/15 |
| | | | Monetary amount | | |
| | TDS03 | 610 | **Discounted Amount Due** | O | N2 1/15 |
| | | | Monetary amount | | |
| | TDS04 | 610 | **Terms Discount Amount** | O | N2 1/15 |
| | | | Monetary amount | | |

| 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:** | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| **CAD04** | **140** | **Standard Carrier Alpha Code** | **X** | **ID 2/4** |
| | | Standard Carrier Alpha Code | | |
| **CAD05** | **387** | **Routing** | **X** | **AN 1/35** |
| | | 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** |
| | | Code qualifying the Reference Identification | | |
| | | BM            Bill of Lading Number | | |
| **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.

**Data Element Summary**

| | Ref. Des. | 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 | | |
| | | | C040 | Delivery | |
| | | | C310 | Discount | |
| | | | D200 | Freight Charges to Destination | |
| | | | D240 | Freight | |
| | | | F800 | Promotional Allowance | |
| | | | H000 | Special Allowance | |
| | | | H010 | Special Buy | |
| | | | H090 | Special Handling | |
| | | | H850 | Tax | |

# SAC Service, Promotion, Allowance, or Charge Information

| | | | | | |
|---|---|---|---|---|---|
| >> | **SAC05** | **610** | **Allowance or Charge Amount** | **O** | **N2 1/15** |

Monetary amount

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

Code indicating method of handling for an allowance or charge

| | |
|---|---|
| 01 | Bill Back |
| 02 | Off Invoice |
| 04 | Credit Customer Account |
| 06 | Charge to be Paid by Customer |

| | | | | | |
|---|---|---|---|---|---|
| >> | **SAC15** | **352** | Description | **X** | **ID 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:** | |

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
| :-- | :-- | :-- | :-- | :-- |
| **ISS01** | **382** | **Number of Units Shipped** | | **X    R    1/10** |
| | | Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set | | |
| **ISS02** | **355** | **Unit or Basis for Measurement Code** | | **X    ID 2/2** |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | CA | Case | |
| | | CT | Carton | |
| | | EA | Each | |
| **ISS03** | **81** | **Weight** | | **X    R    1/10** |
| | | Numeric value of weight | | |
| **ISS04** | **355** | **Unit or Basis for Measurement Code** | | **X    ID 2/2** |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | CA | Case | |
| | | CT | Carton | |
| | | EA | Each | |
| **ISS05** | **183** | **Volume** | | **X    R    1/8** |
| | | Value of volumetric measure | | |
| **ISS06** | **355** | **Unit or Basis for Measurement Code** | | **X    ID 2/2** |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | CA | Case | |
| | | CT | Carton | |
| | | EA | Each | |

| | | Segment: | **CTT** Transaction Totals |
|---|---|---|---|

**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.

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| >> CTT01 | 354 | **Number of Line Items** | M  N0 1/6 |
| | | Total number of line items in the transaction set | |
| | | Total number of IT1 segments | |

| | | | |
|---|---|---|---|
| **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. | | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | SE01 | 96 | **Number of Included Segments** | M  N0 1/10 |
| | | | Total number of segments included in a transaction set including ST and SE segments | |
| >> | SE02 | 329 | **Transaction Set Control Number** | M  AN 4/9 |
| | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |
| | | | This number must be the same as the number in the ST {ST02} segment for this transaction set | |