**846 Inventory Inquiry/Advice**

**Functional Group ID=IB**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

**Heading:**

 **Pos. Seg. Req. Loop**

 **No. ID Name Des. Max.Use Repeat**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | ST | Transaction Set Header | M | 1 |  |  |  |  |  |  |  |  |
| M | 020 | BIA | Beginning Segment for Inventory Inquiry/Advice | M | 1 |  |  |  |  |  |  |  |  |
| M | 060 | REF | Reference Identification | M | 1 |  |  |  |  |  |  |  |  |

**Detail:**

 **Pos. Seg. Req. Loop**

 **No. ID Name Des. Max.Use Repeat**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - LIN |  |  | 10000 |  |  |  |  |  |  |  |
| M | 010 | LIN | Item Identification | M | 1 |  |  |  |  |  |  |  |  |
|  | 110 | CTP | Pricing Information | O | 1 |  |  |  |  |  |  |  |  |
|  | 130 | SAC | Service, Promotion, Allowance, or Charge Information | O | 1 |  |  |  |  |  |  |  |  |
|  | 130 | SAC | Service, Promotion, Allowance, or Charge Information | O | 1 |  |  |  |  |  |  |  |  |
| M | 140 | REF | Reference Identification | M | 1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - QTY |  |  | 1 |  |  |  |  |  |  |  |
|  | 320 | QTY | Quantity | O | 1 |  |  |  |  |  |  |  |  |
|  | 340 | MEA | Measurements | O | 1 |  |  |  |  |  |  |  |  |
|  | 355 | DTM | Date/Time Reference | O | 1 |  |  |  |  |  |  |  |  |
|  | 355 | DTM | Date/Time Reference | O | 1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Summary:**

 **Pos. Seg. Req. Loop**

 **No. ID Name Des. Max.Use Repeat**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | CTT | Transaction Totals | M | 1 |  |  |  |  |  |  |  |  |
| M | 020 | 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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **ST01** | **143** | **Transaction Set Identifier Code** | **M** |  | **ID 3/3** |
|  | Code uniquely identifying a Transaction Set |
| **M** | **ST02** | **329** | **Transaction Set Control Number** | **M** |  | **AN 4/9** |
|  | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |

 **Segment: BIA Beginning Segment for Inventory Inquiry/Advice**

 **Position:** 020

 **Loop:**

 **Level:** Heading

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **BIA01** | **353** | **Transaction Set Purpose Code** | **M** |  | **ID 2/2** |
|  | Code identifying purpose of transaction set |
|   | 00 |  | Original |
| **M** | **BIA02** | **755** | **Report Type Code** | **M** |  | **ID 2/2** |
|  | Code indicating the title or contents of a document, report or supporting item |
|   | SI |  | Seller Inventory Report |
| **M** | **BIA03** | **127** | **Transaction Sequence Number** | **M** |  | **AN 1/30** |
|  | Unique Sequence Number upto 6 digits |
| **M** | **BIA04** | **373** | **Date** | **M** |  | **DT 8/8** |
|  | Date of Inventory expressed as CCYYMMDD |
| **M** | **BIA05** | **337** | **Time** | **M** |  | **TM 4/8** |
|  | Time expressed in 24-hour clock time as follows: HHMMSS |

 **Segment: REF Reference Identification**

 **Position:** 060

 **Loop:**

 **Level:** Heading

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To specify identifying information

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | VR |  | Vendor ID Number |
| **M** | **REF02** | **127** | **Sender ID** | **M** |  | **AN 1/30** |
|  | Supplier number of the sender |
| **M** | **REF03** | **352** | **Sender Name** | **M** |  | **AN 1/80** |
|  | Name of the sender. Vendor Name |

 **Segment: LIN Item Identification**

 **Position:** 010

 **Loop:** LIN Mandatory

 **Level:** Detail

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To specify basic item identification data

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **LIN01** | **350** | **Assigned Identification** | **M** |  | **AN 1/20** |
|  | Sequence Number |
| **M** | **LIN02** | **235** | **Product/Service ID Qualifier** | **M** |  | **ID 2/2** |
|  | UPC Code Qualifier |
|   | UP |  | U.P.C. Consumer Package Code (1-5-5-1) |
| **M** | **LIN03** | **234** | **UPC** | **M** |  | **AN 1/48** |
|  | Wal-Mart UPC (13 digits with no check digit) |
| **M** | **LIN04** | **235** | **Product/Service ID Qualifier** | **M** |  | **ID 2/2** |
|  | Code identifying the type/source of the descriptive number used in Product/Service ID (234) |
|   | VN |  | Vendor's (Seller's) Item Number |
| **M** | **LIN05** | **234** | **Vendor SKU** | **M** |  | **AN 1/20** |
|  | Supplier SKU or model number |
|  | **LIN06** | **235** | **Product/Service ID Qualifier** | **X** |  | **ID 2/2** |
|  | Walmart.com Item Number Qualifier |
|   | BP |  | Buyer's Part Number |
|  | **LIN07** | **234** | **Item Number** | **O** |  | **AN 1/13** |
|  | Walmart.com item number |

 **Segment: CTP Pricing Information**

 **Position:** 110

 **Loop:** LIN Mandatory

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify pricing information

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **CTP01** | **687** | **Class of Trade Code** | **O** |  | **ID 2/2** |
|  | Code indicating class of trade |
|   | AS |  | Seller |
|  | **CTP02** | **236** | **Price Identifier Code** | **X** |  | **ID 3/3** |
|  | Code identifying pricing specification |
|   | UCP |  | Unit cost price |
|  | **CTP03** | **212** | **Unit Price** | **O** |  | **R 1/17** |
|  | Cost of Goods per unit |

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

 **Position:** 130

 **Loop:** LIN Mandatory

 **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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **SAC01** | **248** | **Allowance or Charge Indicator** | **M** |  | **ID 1/1** |
|  | Code which indicates an allowance or charge for the service specified |
|   | C |  | Charge |
|  | **SAC02** | **1300** | **Service, Promotion, Allowance, or Charge Code** | **X** |  | **ID 4/4** |
|  | Code identifying the service, promotion, allowance, or charge |
|   | E068 |  | Invoice Delivery Terms Amount |
|  | **SAC08** | **118** | **Item MSRP** | **O** |  | **R 1/9** |
|  | Suggested retail price per itemNote: Pricing feeds are not supported for all suppliers. |
|  | **SAC12** | **331** | **Allowance or Charge Method of Handling Code** | **O** |  | **ID 2/2** |
|  | Code indicating method of handling for an allowance or charge |
|   | 06 |  | Charge to be Paid by Customer |

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

 **Position:** 135

 **Loop:** LIN Mandatory

 **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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **SAC01** | **248** | **Allowance or Charge Indicator** | **M** |  | **ID 1/1** |
|  | Code which indicates an allowance or charge for the service specified |
|   | C |  | Charge |
|  | **SAC02** | **1300** | **Service, Promotion, Allowance, or Charge Code** | **X** |  | **ID 4/4** |
|  | Code identifying the service, promotion, allowance, or charge |
|   | I134 |  | Total Invoice Amount, U.S. Dollars |
|  | **SAC08** | **118** | **Item Retail** | **O** |  | **R 1/9** |
|  | Actual retail price per item.Note: Pricing feeds are not supported for all suppliers. |
|  | **SAC12** | **331** | **Allowance or Charge Method of Handling Code** | **O** |  | **ID 2/2** |
|  | Code indicating method of handling for an allowance or charge |
|   | 06 |  | Charge to be Paid by Customer |

 **Segment: REF Reference Identification**

 **Position:** 140

 **Loop:** LIN Mandatory

 **Level:** Detail

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To specify identifying information

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | ZZ |  | Mutually Defined |
| **M** | **REF02** | **127** | **Availability Code** | **M** |  | **AN 1/2** |
|  | See Notes for values and usageAvailability Code ValuesCode Value Description**AC** Active – Item can be ordered only if the number of items on hand is sufficient to fulfill the amount ordered. An On Hand Quantity is required and Minimum and Maximum Days to Ship are optional. If the Days are not specified, then 0 to 1 business days is assumed.**PO** Pre-Order – Supplier is accepting pre-orders for the item. An Availability Start Date is required to indicate when orders are expected to ship. In addition, an On Hand Quantity is required to determine how many items may be pre-ordered. After the start date, it acts like an active item (On Hand Quantity is required and Minimum and Maximum Days to Ship are optional).**JT** Just in Time – Item is stocked on demand. Minimum and Maximum Days to Ship are required to indicate how long it will take to fulfill an order.**BO** Build to Order – Item is pre-configured and manufactured on demand. Minimum and Maximum Days to Ship are required to indicate how long it will take to fulfill an order. Since the supplier configures these items before the order is placed, it’s assumed that the item will always ship and backorders aren’t allowed.**SE** Seasonal - Item is available, but it's seasonal and orders are only accepted during a specified date range. Both Availability Start and End Dates are required to indicate the date range. Within the date range, it behaves like an active item (On Hand Quantity is required and Minimum and Maximum Days to Ship are optional).**RO** Run Out – Item is being discontinued and will not be restocked. The Availability End Date is required to indicate the last date on which orders will be accepted. Before the end date, it behaves like an active item (On Hand Quantity is required and Minimum and Maximum Days to Ship are optional).**NA** Not Active – Item isn't available for purchase at this time.**DT** Deleted – Item isn't available for purchase and may be deleted from the catalog.Note: Two availability code values will automatically remove an item from the Walmart.com site catalog. The “NA” code is used if it’s possible that the item UPC may return at some time in the future and “DT” is used if the item UPC won’t return (e.g. UPC is discontinued). In either case, please send at least two consecutive updates messages before the UPC is removed from the inventory feed. |

 **Segment: QTY Quantity**

 **Position:** 320

 **Loop:** QTY Mandatory

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify quantity information

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **QTY01** | **673** | **Quantity Qualifier** | **M** |  | **ID 2/2** |
|  | Code specifying the type of quantity |
|   | 17 |  | Quantity on Hand |
|  | **QTY02** | **380** | **Quantity** | **X** |  | **R 1/15** |
|  | On Hand Stock Quantity |

 **Segment: MEA Measurements**

 **Position:** 340

 **Loop:** QTY Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **MEA04** | **C001** | **Composite Unit of Measure** | **X** |  |  |
|  | To identify a composite unit of measure (See Figures Appendix for examples of use) |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code** | **M** |  | **ID 2/2** |
|  | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |
|   | DA |  | Days |
|  | **MEA05** | **740** | **Minimum Days** | **X** |  | **R 1/20** |
|  | The minimum number of business days to fulfill an order for this item |
|  | **MEA06** | **741** | **Maximum Days** | **X** |  | **R 1/20** |
|  | The maximum number of business days to fulfill an order for this item |

 **Segment: DTM Date/Time Reference**

 **Position:** 355

 **Loop:** QTY Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **DTM01** | **374** | **Date/Time Qualifier** | **M** |  | **ID 3/3** |
|  | Code specifying type of date or time, or both date and time |
|   | 196 |  | Start |
|  | **DTM02** | **373** | **Availability Start Date** | **X** |  | **DT 8/8** |
|  | The first date the item will be available to sell (as CCYYMMDD) |

 **Segment: DTM Date/Time Reference**

 **Position:** 356

 **Loop:** QTY Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **DTM01** | **374** | **Date/Time Qualifier** | **M** |  | **ID 3/3** |
|  | Code specifying type of date or time, or both date and time |
|   | 197 |  | End |
|  | **DTM02** | **373** | **Availability End Date** | **X** |  | **DT 8/8** |
|  | The last date the item will be available to sell (as CCYYMMDD) |

 **Segment: CTT Transaction Totals**

 **Position:** 010

 **Loop:**

 **Level:** Summary

 **Usage:** Mandatory

 **Max Use:** 1

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

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **CTT01** | **354** | **Number of Line Items** | **M** |  | **N0 1/6** |
|  | Total number of LIN segments in the transaction |

 **Segment: SE Transaction Set Trailer**

 **Position:** 020

 **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)

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M** | **SE01** | **96** | **Number of Included Segments** | **M** |  | **N0 1/10** |
|  | Total number of segments included in a transaction set including ST and SE segments |
| **M** | **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 |

**EDI 846 Data**

ISA\*00\*          \*00\*          \*01\*201162773      \*01\*12571829       \*140912\*1434\*U\*00401\*000003150\*1\*P\*>~

GS\*IB\*201162773\*12571829\*140715\*1434\*1\*P\*004010~

ST\*846\*0001~

BIA\*00\*SI\*476773\*20140715\*150355~

REF\*VR\*472184\*StorkCraft~

LIN\*1\*UP\*0005692708851\*VN\*00524-351\*BP\*37687970~

REF\*ZZ\*AC~

QTY\*17\*170~

LIN\*2\*UP\*0005692708852\*VN\*00524-354\*BP\*37687987~

CTP\*AS\*UCP\*80.00~

REF\*ZZ\*PO~

QTY\*17\*158~

MEA\*\*\*\*DA\*1\*2~

DTM\*196\*20140730~

DTM\*197\*20150715~

LIN\*3\*UP\*0005692708853\*VN\*00524-359\*BP\*37687992~

CTP\*AS\*UCP\*80.00~

SAC\*C\*E068\*\*\*\*\*\*200\*\*\*\*06~

SAC\*C\*I134\*\*\*\*\*\*190\*\*\*\*06~

REF\*ZZ\*AC~

QTY\*17\*337~

MEA\*\*\*\*DA\*1\*1~

LIN\*4\*UP\*0005692707350\*VN\*00524-581\*BP\*2515458~

CTP\*AS\*UCP\*99.00~

REF\*ZZ\*BO~

QTY\*17\*10~

MEA\*\*\*\*DA\*1\*1~

CTT\*4~

SE\*27\*0001~

GE\*1\*1~

IEA\*1\*000003150~