# 855 Purchase Order Acknowledgement

**Functional Group** PR

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

## Heading

|  | POS. NO. | SEG. ID | NAME | REQ. DES. | MAX USE | LOOP REPEAT |
|---|---|---|---|---|---|---|
| Used | 010 | ST | Transaction Set Header | M | 1 | |
| Used | 020 | BAK | Beginning Segment for Purchase Order Acknowledgement | M | 1 | |
| Not Used | 150 | DTM | Date/Time Reference | O | 10 | |
| | | | LOOP ID - N1 | | | 200 |
| Used | 300 | N1 | Name | M | 1 | |
| Not Used | 310 | N2 | Additional Name Information | O | 2 | |
| Not Used | 320 | N3 | Address Information | O | 2 | |
| Not Used | 330 | N4 | Geographic Location | O | 1 | |

## Detail

|  | POS. NO. | SEG. ID | NAME | REQ. DES. | MAX USE | LOOP REPEAT |
|---|---|---|---|---|---|---|
| | | | LOOP ID - PO1 | | | 100000 |
| Used | 010 | PO1 | Baseline Item Data | O | 1 | |
| Used | 040 | CTP | Pricing Information | O | >1 | |
| | | | LOOP ID - PID | | | 1000 |
| Not Used | 050 | PID | Product/Item Description | O | 1 | |
| Not Used | 090 | PO4 | Item Physical Details | M | >1 | |
| | | | LOOP ID – ACK | | | 104 |
| Used | 270 | ACK | Line Item Acknowledgment | O | 1 | |
| Not Used | 280 | DTM | Date/Time Reference | O | 1 | |

## Summary

|  | POS. NO. | SEG. ID | NAME | REQ. DES. | MAX USE | LOOP REPEAT |
|---|---|---|---|---|---|---|
| | | | LOOP ID – CTT | | | 1 |
| Used | 010 | CTT | Transaction totals | M | 1 | |
| Not Used | 020 | AMT | Monetary Amount | O | 1 | |
| Used | 030 | SE | Transaction Set Trailor | M | 1 | |

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 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. | | | | |
| **Semantic:** | 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). | | | | |

**Data Element Summary:**

| | Ref. Des. | Data Element | Name | Attributes | | Min/Max Length |
|---|---|---|---|---|---|---|
| Required | ST01 | 143 | **Transaction Set Header Identifier** | M/Z | ID | 3/3 |
| | | | Code uniquely identifying a Transaction Set | | | |
| | | | *855 Purchase Order Acknowledgment* | | | |
| Required | 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:** | **BAK** Beginning Segment for Purchase Order Acknowledgment | | | |
| **Position:** | 020 | | | |
| **Loop:** | | | | |
| **Level:** | Heading | | | |
| **Usage:** | Mandatory | | | |
| **Max Use:** | 1 | | | |
| **Purpose:** | To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates | | | |
| **Semantic:** | **1.** BAK04 is the date assigned by the purchaser to purchase order. | | | |
| | **2.** BAK08 is the seller's order number. | | | |
| | **3.** BAK09 is the date assigned by the sender to the acknowledgment. | | | |

**Data Element Summary:**

| | Ref. Des. | Data Element | Name | Attributes | | Min/Max Length |
|---|---|---|---|---|---|---|
| | BAK01 | 353 | **Transaction Set Purpose Code** | M | ID | 2/2 |
| | | | Code identifying purpose of transaction set | | | |
| | | | **0 Original** | | | |
| | BAK02 | 587 | **Acknowledgment Type** | M | ID | 2/2 |
| | | | Code specifying the type of acknowledgment | | | |
| | | | **AP Acknowledge - Product Replenishment** | | | |
| | BAK03 | 324 | **Purchase Order Number** | M | AN | 1/22 |
| | | | Identifying number for Purchase Order assigned by the orderer/purchaser | | | |
| | BAK04 | 373 | **Date** | M | DT | 8/8 |
| | | | Date expressed as CCYYMMDD | | | |
| Not Used | BAK05 | 328 | **Release Number** | O | AN | 1/30 |
| | | | Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | | | |
| Not Used | BAK06 | 326 | **Request Reference Number** | O | AN | 1/45 |
| | | | Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number) | | | |
| Not Used | BAK07 | 367 | **Contract Number** | O | AN | 1/30 |
| | | | Contract number | | | |
| Not Used | BAK08 | 127 | **Reference Identification** | O | AN | 1/30 |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | |
| | BAK09 | 373 | **Date** | O | DT | 8/8 |
| | | | Date expressed as CCYYMMDD | | | |

| Segment   | **N1** Name                                      |
|-----------|--------------------------------------------------|
| Position: | 300                                              |
| Loop:     | N1                                               |
| Level:    | Heading                                          |
| Usage:    | Mandatory                                        |
| Max Use:  | 1                                                |
| Purpose:  | To identify a party by type of organization, name, and code |
| Syntax:   | **1.** At least one of N102 or N103 is required. |
|           | **2.** If either N103 or N104 is present, then the other is required. |
| Comments: | **1.** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. |
|           | **2.** N105 and N106 further define the type of entity in N101. |

**Data Element Summary:**

| Ref. Des. | Data Element | Name | Attributes | | Min/Max Length |
|-----------|--------------|------|------------|---|----------------|
| **N101** | 98 | **Entity Identifier Code** | M | ID | 2/3 |
| | | Code identifying an organizational entity, a physical location, property or an individual | | | |
| | | **SF Ship From** | | | |
| | | **ST Ship To** | | | |
| **N102** | 93 | **Name** | X | AN | 1/60 |
| | | Free-form name | | | |
| | | *Used if "SF" sent in N101.* | | | |
| **N103** | 66 | **Identification Code Qualifier** | X | 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** | X | AN | 2/80 |
| | | Code identifying a party or other code | | | |
| | | *4 digit Location Code - used if "ST" sent in N101.* | | | |

| | | | | |
|---|---|---|---|---|
| **Segment:** | **PO1** Baseline Item Data | | | |
| **Position:** | 010 | | | |
| **Loop:** | PO1 | | | |
| **Level:** | Detail | | | |
| **Usage:** | Mandatory | | | |
| **Max Use:** | 1 | | | |
| **Purpose:** | To specify basic and most frequently used line item data | | | |
| **Syntax:** | **1.** If PO103 is present, then PO102 is required. | | | |
| | **2.** If PO105 is present, then PO104 is required. | | | |
| | **3.** If either PO106 or PO107 is present, then the other is required. | | | |
| **Comments:** | **1.** See the Data Element Dictionary for a complete list of IDs. | | | |
| | **2.** PO101 is the line item identification. | | | |
| | **3.** PO106 through PO125 provide for ten different product/service IDs per 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 | | Min/Max Length |
|---|---|---|---|---|---|
| PO101 | 350 | **Assigned Identification** | M | AN | 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | | | |
| PO102 | 330 | **Quantity Ordered M R 1/15** | | | |
| | | Quantity ordered | | | |
| PO103 | 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 | | | |
| | | *CA - Case* | | | |
| | | *EA - Each* | | | |
| | | *LB - Pound* | | | |
| PO104 | 212 | **Unit Price** | X | R | 1/17 |
| | | Price per unit of product, service, commodity, etc. | | | |
| PO105 | 639 | **Basis of Unit Price Code** | O | ID | 2/2 |
| | | Code identifying the type of unit price for an item | | | |
| PO106 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |
| | | 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)* | | | |
| PO107 | 234 | **Product/Service ID** | X | AN | 1/48 |
| | | Identifying number for a product or service | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | **CTP** Pricing Information | | | | |
| **Position:** | 040 | | | | |
| **Loop:** | _____ | | | | |
| **Level:** | Detail | | | | |
| **Usage:** | Optional | | | | |
| **Max Use:** | >1 | | | | |
| **Purpose:** | To specify pricing information | | | | |
| **Syntax:** | **1.** If either CTP04 or CTP05 is present, then the other is required. | | | | |
| | **2.** If CTP06 is present, then CTP07 is required. | | | | |
| **Semantic:** | **1.** CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be a factor if a 10% discount is given | | | | |

**Data Element Summary:**

| | Ref. Des. | Data Element | Name | Attributes | | Min/Max Length |
|---|---|---|---|---|---|---|
| Not Used | CTP01 | 687 | **Class of Trade Code** | O | ID | 2/2 |
| | | | Code indicating class of trade | | | |
| | CTP02 | 236 | **Price Identifier Code** | X | ID | 3/3 |
| | | | **Code identifying pricing specificaiton** | | | |
| | | | *CAT - Catalog Price* | | | |
| | | | *NET - Net Item Price* | | | |
| | | | *PRP - Promotional Price* | | | |
| | | | *SLP - Suggested List Price* | | | |
| | CTP03 | 212 | **Unit Price** | O | R | 1/17 |
| | | | Price per unit of product, service, commodity, etc. | | | |
| Not Used | CTP04 | 380 | **Quantity** | X | R | 1/15 |
| | | | Numeric Value of Quantity | | | |
| Not Used | CTP05 | C001 | **Composite Unit of Measure** | X | | |
| | | | To identify a composite unit of measure | | | |
| | | C00101 | **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 | | | |
| | CTP06 | 648 | **Price Multiplier Qualifier** | O | ID | 3/3 |
| | | | Code indicating the type of price multiplier | | | |
| | CTP07 | 649 | **Multiplier** | X/Z | R | 1/10 |
| | | | Value to be used as a multiplier to obtain a new value | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | **ACK** Baseline Item Data | | | | |
| **Position:** | 270 | | | | |
| **Loop:** | ACK | | | | |
| **Level:** | Detail | | | | |
| **Usage:** | Mandatory | | | | |
| **Max Use:** | 1 | | | | |
| **Purpose:** | To acknowledge the ordered quantities and specify the ready date for a specific line item | | | | |
| **Syntax:** | **1.** If either ACK02 or ACK03 is present, the other is required | | | | |
| | **2.** If ACK04 is present, then ACK05 is required. | | | | |
| | **3.** If either ACK07 or ACK08 is present, the other is required | | | | |
| | **4.** If either ACK09 or ACK10 is present, the other is required | | | | |
| | **5.** If either ACK11 or ACK12 is present, the other is required | | | | |

**Data Element Summary:**

| Ref. Des. | Data Element | Name | | Attributes | Min/Max Length |
|---|---|---|---|---|---|
| ACK01 | 668 | **Line Item Status Code** | M | ID | 2/2 |
| | | Code specifying the action taken by the seller on a line item requested by the buyer | | | |
| | | *IA - Item Accepted* | | | |
| | | *IR - Item Rejected* | | | |
| ACK02 | 380 | **Quantity** | X | R | 1/15 |
| | | Numeric value of Quantity | | | |
| ACK03 | 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 | | | |
| | | *EA - Each* | | | |
| | | *ST - Set* | | | |
| | | *UN - Unit* | | | |
| ACK04 | 374 | **Date/ Time Qualifier** | O/Z | ID | 3/3 |
| | | Code specifying type of date or time, or both date and time | | | |
| | | *018 - Available/ Constructive Placement* | | | |
| | | *067 - Current Schedule Delivery* | | | |
| | | *068 - Current Schedule Ship* | | | |
| | | *100 - No Shipping Schedule Established as of* | | | |
| ACK05 | 373 | **Date** | X/Z | DT | 8/8 |
| | | Date (CCYYMMDD) | | | |
| ACK06 | 326 | **Request Reference Number** | O/Z | AN | 1/45 |
| | | Reference number or RFQ number to use to identify a particular transaction set and query | | | |
| ACK07 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| | | *IB - International Standard Book Number* | | | |
| | | *UP - U.P.C. Consumer Package Code* | | | |
| | | *EN - European Article Number (EAN)* | | | |
| | | *CB - Buyer's Catalog Number* | | | |
| ACK08 | 234 | **Product/Service ID** | X | AN | 1/48 |
| | | Identifying number for a product or service | | | |
| ACK09 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| ACK10 | 234 | **Product/Service ID** | X | AN | 1/48 |
| | | Identifying number for a product or service | | | |
| ACK11 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| ACK12 | 234 | **Product/Service ID** | X | AN | 1/48 |
| | | Identifying number for a product or service | | | |
| ACK27 | 559 | **Agency qualifier Code** | C | ID | 2/2 |
| | | Code identifying the agency assigning the code values | | | |
| | | *BI - Book Industry Systems Advisory Committee* | | | |
| ACK28 | 822 | **Source Subqualifier** | C | AN | 1/15 |
| | | A reference that indicates the table or text maintained by the Source Qualifier | | | |
| | | *ACK – BISAC Acknowledgement Code List* | | | |
| ACK29 | 1271 | **Industry Code** | C | AN | 1/30 |
| | | Code indicating a code from a specific industry code list | | | |
| | | *\* See separate code list* | | | |

| **Segment:** | **CTT** Transaction Totals |
|---|---|
| **Position:** | 010 |
| **Loop:** | CTT |
| **Level:** | Summary |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To transmit a hash total for a specific element in the transaction set |
| **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 | | Min/Max Length |
|---|---|---|---|---|---|
| **CTT01** | **354** | **Number of Line Items** | **M** | **N0** | **1/6** |
| | | Total number of line items in the transaction set | | | |
| **CTT02** | **347** | **Hash Total** | **O** | **R** | **1/10** |
| | | Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after | | | |

| | **Segment:** | **SE** Transaction Set Trailer |
|---|---|---|
| | **Position:** | 030 |
| | **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) |
| | **Comments:** | **1.** SE is the last segment of each transaction set. |

**Data Element Summary:**

| Ref. Des. | Data Element | Name | Attributes | | Min/Max Length |
|---|---|---|---|---|---|
| **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 | | | |