Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 855 Purchase Order Acknowledgment

Implementation Convention
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Implementation Convention

Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

March 1997
Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

National Institute of Standards and Technology Special Publication 881-12
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1997

855 Purchase Order Acknowledgment

Introduction:

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.

Notes:

1. This transaction set is used for bilateral purchase orders and delivery orders against basic contracts and Federal Supply Schedules, to indicate acceptance: rejection, with or without detail: or acknowledgment, with detail and with or without change.

When BIG07 in the 850 transaction set is not transmitted, an 855 transaction set should not be used for acknowledgment.

When BIG07 in the 850 transaction set is code AC, BIG02 can contain code AC, AD, or RJ.

When BIG07 in the 850 transaction set is code AK, BIG02 can contain code AT, RF or RJ.

When BIG07 in the 850 transaction set is code AD, BIG02 can contain code AD or RJ.

2. When BAK02 is code AD, transmit all segments, data elements and codes that were contained in the applicable 850 transaction set.

3. When BAK02 is code AC, transmit the change information using the appropriate segment, data element or code and also transmit all other unchanged segments, data elements and codes contained in the corresponding segments in the applicable 850 transaction set.

4. When BAK02 is either code AT or RJ, transmit the mandatory and required segments and data elements. Also transmit the N1 loop with codes BY and SE.

5. When BAK02 is code RF, transmit the mandatory and required segments and data elements. Also transmit the N9 loop and the N1 loop using codes BY and SE.

Heading:

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<thead>
<tr>
<th>Pos. No.</th>
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## 855 - Purchase Order Acknowledgment

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RELEASE - 003040FED01A

August 31, 1994
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<td>049</td>
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<td>PID: Product/Item Description</td>
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<td>DIS: Discount Detail</td>
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<td>165</td>
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<td>210</td>
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<td>220</td>
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<td>360</td>
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<td>N1: Name</td>
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Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated POI segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
4. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.

5. 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.

6. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.
855 - Purchase Order Acknowledgment

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

Notes: Syntax Notes: 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).

Semantic Notes: 1

Comments:

---

**Data Element Summary**

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<td></td>
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<td>Code uniquely identifying a Transaction Set.</td>
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<td>855 X12.9 Purchase Order Acknowledgment</td>
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<td>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</td>
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<tr>
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<td></td>
<td>This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.</td>
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</table>
Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment

Position: 020

Loop: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the purchase order acknowledgment transaction set and transmit identifying numbers and dates.

Notes:

Syntax Notes:

Semantic Notes: 1 BAK08 is the seller's order number.

Comments:

**Data Element Summary**

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<td>Acknowledgment Type</td>
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</table>

**BAK01 353 Transaction Set Purpose Code**

- **00** Original
  
  Used to indicate an original submission of an 855 transaction set.

- **07** Duplicate
  
  Use to indicate a re-transmission of a previously transmitted 855 transaction set.

**BAK02 587 Acknowledgment Type**

- **AC** Acknowledge - With Detail and Change
  
  Use to indicate an order is being acknowledged with detail and changes. Use this code only if BIG07 in the applicable 850 transaction set was code AC.

- **AD** Acknowledge - With Detail, No Change
  
  Use to indicate the order is being acknowledged with detail and no change. Use this code only when BIG07 in the applicable 850 transaction set was code AC of AD.

- **AT** Accepted
  
  Use to indicate acceptance of a bilateral purchase order. Use this code only if BIG07 in the applicable 850 transaction set was code AK.

- **RF** Reject with Exception Detail Only
  
  Use to indicate a rejection (with reasons) of a bilateral purchase order. Use this code only if BIG07 in the applicable 850 transaction set was code AK.

- **RJ** Rejected - No Detail
  
  Use to indicate the rejection (without reasons) of a bilateral purchase order. Use this code only if BIG07 in the applicable 850 transaction set was AC, AD, or AK.
## 855 - Purchase Order Acknowledgment

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAK03</td>
<td>324</td>
<td>Purchase Order Number</td>
</tr>
<tr>
<td>BAK04</td>
<td>323</td>
<td>Purchase Order Date</td>
</tr>
<tr>
<td>BAK05</td>
<td>328</td>
<td>Release Number</td>
</tr>
<tr>
<td>BAK06</td>
<td>326</td>
<td>Request Reference Number</td>
</tr>
<tr>
<td>BAK07</td>
<td>367</td>
<td>Contract Number</td>
</tr>
<tr>
<td>BAK08</td>
<td>127</td>
<td>Reference Number</td>
</tr>
<tr>
<td>BAK09</td>
<td>588</td>
<td>Acknowledgment Date</td>
</tr>
</tbody>
</table>

**Purchase Order Number**
Identifying number for Purchase Order assigned by the orderer/purchaser.

*Use to identify the purchase order number to which this transaction set applies. Cite the number from BEG03 of the applicable 850 transaction set.*

**Purchase Order Date**
Date assigned by the purchaser to Purchase Order.

*Use to identify the date of the purchase order to which this transaction set applies. Cite the date from BEG05 of the applicable 850 transaction set.*

**Release Number**
Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.

**Request Reference Number**
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).

**Contract Number**
Contract number.

**Reference Number**
Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

1. Use to indicate the Seller's order number.

2. When BAK02 is code AC, AD, or AT, use to identify the number assigned by the selling party to the buying party's purchase order. The number is used to facilitate references in future communications.

**Acknowledgment Date**
Date assigned by the sender to the acknowledgment.

*Use to identify the date this 855 transaction set was transmitted.*
Segment: **PER** Administrative Communications Contact

| Position: 060 | Loop: Heading | Level: Heading |
| Max Use: 3 | Usage: Optional |

**Purpose:** To identify a person or office to whom administrative communications should be directed.

**Notes:** Use this segment when BAK02 is code AC, AD, or RJ.

**Syntax Notes:**
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

### Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PER01</td>
<td>366</td>
<td>Contact Function Code</td>
<td>M ID 2/2</td>
</tr>
</tbody>
</table>
- **OC** Order Contact
- **OD** Order Department

**PER02** Name

Free-form name.

1. Use to indicate the name and title of the contact.

2. Cite the last name first, followed by the first name, followed by the title. If the name and title are longer than 35 characters, use the initial for the first name.

**PER03** Communication Number Qualifier

Code identifying the type of communication number.

- **FX** Facsimile
- **TE** Telephone

**PER04** Communication Number

Complete communications number including country or area code when applicable.

*Cite the area code and commercial telephone number of the party identified in PER02.*

**PER05** Communication Number Qualifier

Code identifying the type of communication number.

**PER06** Communication Number

Complete communications number including country or area code when applicable.
Segment: **FOB**  F.O.B. Related Instructions

<table>
<thead>
<tr>
<th>Position</th>
<th>080</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop:</td>
<td></td>
</tr>
<tr>
<td>Level:</td>
<td>Heading</td>
</tr>
<tr>
<td>Usage:</td>
<td>Optional</td>
</tr>
<tr>
<td>Max Use:</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Purpose:</td>
<td>To specify transportation instructions relating to shipment</td>
</tr>
<tr>
<td>Notes:</td>
<td>1. Use this segment when BAK02 is code AC or AD.</td>
</tr>
</tbody>
</table>

2. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

3. When BAK02 is code AC, use to identify a change in the shipment method of payment specified in the 850 transaction set, if applicable. Otherwise, transmit the same information contained in the applicable 850 transaction set.

**Syntax Notes:**

1. If FOB03 is present, then FOB02 is required.
2. If FOB04 is present, then FOB05 is required.
3. If FOB07 is present, then FOB06 is required.
4. If FOB08 is present, then FOB09 is required.

**Semantic Notes:**

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

**Comments:**

**Data Element Summary**

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOB01</td>
<td>146</td>
<td>Shipment Method of Payment</td>
<td>M ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying payment terms for transportation charges.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BP</strong> Paid by Buyer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location). Use to indicate that the FOB point is origin.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>PE</strong> Prepaid and Summary Bill</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use to indicate transportation charges are authorized to be prepaid by the seller and added to the invoice. Do not use this code when transmitting an 855 transaction set to the Department of Veteran Affairs.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>PP</strong> Prepaid (by Seller)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use to indicate that the FOB point is destination.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>FOB02</td>
<td>309</td>
<td>Location Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying type of location.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>FOB03</td>
<td>352</td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A free-form description to clarify the related data elements and their content.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>FOB04</td>
<td>334</td>
<td>Transportation Terms Qualifier Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying the source of the transportation terms.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>FOB05</td>
<td>335</td>
<td>Transportation Terms Code</td>
</tr>
</tbody>
</table>

** RELEASE - 003040FED01A 10 August 31, 1994**
Code identifying the trade terms which apply to the shipment transportation responsibility.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>ID</th>
<th>AN</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOB06 309 Location Qualifier</td>
<td>X</td>
<td></td>
<td>ID 1/2</td>
<td></td>
</tr>
<tr>
<td>FOB07 352 Description</td>
<td>X</td>
<td></td>
<td>AN 1/80</td>
<td></td>
</tr>
<tr>
<td>FOB08 54 Risk of Loss Qualifier</td>
<td>O</td>
<td></td>
<td>ID 2/2</td>
<td></td>
</tr>
<tr>
<td>FOB09 352 Description</td>
<td>X</td>
<td></td>
<td>AN 1/80</td>
<td></td>
</tr>
</tbody>
</table>

A free-form description to clarify the related data elements and their content.
Segment: **ITD Terms of Sale/Deferred Terms of Sale**

Position: 130

Loop: Heading

Usage: Optional

Max Use: 5

Purpose: To specify terms of sale.

Notes: 1. Use this segment when BAK02 is code AC or AD.

2. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

3. When BAK02 is code AC, use to identify a different discount than specified in the applicable 850 transaction set. Otherwise, transmit the same information as contained in the applicable 850 transaction set.

**Syntax Notes:**

1. If ITD05 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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>ITD01</td>
<td>336</td>
<td><strong>Terms Type Code</strong></td>
<td>Code identifying type of payment terms.</td>
</tr>
<tr>
<td>X</td>
<td>ITD02</td>
<td>333</td>
<td><strong>Terms Basis Date Code</strong></td>
<td>Code identifying the beginning of the terms period.</td>
</tr>
<tr>
<td>ITD03</td>
<td>338</td>
<td><strong>Terms Discount Percent</strong></td>
<td>Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ITD04</td>
<td>370</td>
<td><strong>Terms Discount Due Date</strong></td>
<td>Date payment is due if discount is to be earned.</td>
</tr>
<tr>
<td>ITD05</td>
<td>351</td>
<td><strong>Terms Discount Days Due</strong></td>
<td>Number of days in the terms discount period by which payment is due if terms discount is earned.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ITD06</td>
<td>446</td>
<td><strong>Terms Net Due Date</strong></td>
<td>Date when total invoice amount becomes due.</td>
</tr>
<tr>
<td>ITD07</td>
<td>386</td>
<td><strong>Terms Net Days</strong></td>
<td>Number of days until total invoice amount is due (discount not applicable).</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ITD08</td>
<td>362</td>
<td><strong>Terms Discount Amount</strong></td>
<td>Total amount of terms discount.</td>
</tr>
<tr>
<td>X</td>
<td>ITD09</td>
<td>388</td>
<td><strong>Terms Deferred Due Date</strong></td>
<td>Date deferred payment or percent of invoice payable is due.</td>
</tr>
<tr>
<td>X</td>
<td>ITD10</td>
<td>389</td>
<td><strong>Deferred Amount Due</strong></td>
<td>Deferred amount due for payment.</td>
</tr>
<tr>
<td>X</td>
<td>ITD11</td>
<td>342</td>
<td><strong>Percent of Invoice Payable</strong></td>
<td>Amount of invoice payable expressed in percent.</td>
</tr>
<tr>
<td>X</td>
<td>ITD12</td>
<td>352</td>
<td>Description</td>
<td>O AN 1/80</td>
</tr>
<tr>
<td>---</td>
<td>--------</td>
<td>-----</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>X</td>
<td>ITD13</td>
<td>765</td>
<td>Day of Month</td>
<td>X NO 1/2</td>
</tr>
<tr>
<td>X</td>
<td>ITD14</td>
<td>107</td>
<td>Payment Method Code</td>
<td>O ID 1/1</td>
</tr>
<tr>
<td>X</td>
<td>ITD15</td>
<td>954</td>
<td>Percent</td>
<td>O R 1/10</td>
</tr>
</tbody>
</table>

- A free-form description to clarify the related data elements and their content.
- The numeric value of the day of the month between 1 and the maximum day of the month being referenced.
- Code identifying type of payment procedures.
- Percentage expressed as a decimal.
Segment: N9 Reference Number

Position: 280
Loop: N9
Level: Heading
Usage: Optional
Max Use: 1

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Notes: When BAK02 is code RF, use to provide reasons for rejection of a bilateral purchase order.

Syntax Notes: 1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

Comments:

Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>N901</td>
<td>128</td>
<td>Reference Number Qualifier</td>
<td>M ID 2/2</td>
</tr>
<tr>
<td>N902</td>
<td>127</td>
<td>Reference Number</td>
<td>X AN 1/30</td>
</tr>
<tr>
<td>N903</td>
<td>369</td>
<td>Free-form Description</td>
<td>X AN 1/45</td>
</tr>
<tr>
<td>N904</td>
<td>373</td>
<td>Date</td>
<td>O DT 6/6</td>
</tr>
<tr>
<td>N905</td>
<td>337</td>
<td>Time</td>
<td>X TM 4/8</td>
</tr>
<tr>
<td>N906</td>
<td>623</td>
<td>Time Code</td>
<td>O ID 2/2</td>
</tr>
</tbody>
</table>

Reference Number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Free-form descriptive text. This data element may only contain the word "Reason".

Date (YYMMDD).

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSDD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.
Segment: **MSG** Message Text

**Position:** 290

**Loop:** N9

**Level:** Heading

**Usage:** Optional

**Max Use:** 1000

**Purpose:** To provide a free form format that would allow the transmission of text information.

**Notes:** Use this segment to provide the reasons for a rejection of a bilateral purchase order.

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

### Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt; MSG01</td>
<td>933</td>
<td>Free-Form Message Text</td>
<td>M AN 1/264</td>
</tr>
<tr>
<td>X MSG02</td>
<td>934</td>
<td>Printer Carriage Control Code</td>
<td>O ID 2/2</td>
</tr>
</tbody>
</table>

Free-form message text.

A field to be used for the control of the line feed of the receiving printer.
Segment: **N1** Name

Position: 300
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Notes: 1. Whenever possible, address information should be transmitted using code values contained in a combination of the N101, N103/04 data elements. Use N102 and the N2-N4 segments only when it is necessary to transmit the full address. For example, if a vendor can be identified by a Duns number, it is not necessary to transmit the vendor's full address since the relationship between the DUNs number and the vendor's address can be established by accessing a data base in which the information is stored, having been put there at the time the vendor electronically registered as a federal government trading partner.

2. When BAK02 is AC or AD, transmit the same information as contained in the applicable 850 transaction set.

3. At least 2 iterations of this segment are required with N101 citing code BY and SE.

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: 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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>N101</td>
<td>98</td>
<td>Entity Identifier Code</td>
<td>M ID 2/2</td>
</tr>
</tbody>
</table>

Code identifying an organizational entity, a physical location, or an individual

BY  Buying Party (Purchaser)
SE  Selling Party
ST  Ship To

*Use only when BAK02 is code AC or AD.*

| N102 | 93 | Name | X AN 1/35 |

Free-form name.

*Use only if BIG07 in the applicable 850 transaction set was code AC or AD.*

| 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

*Use of the DUNs number is preferred over any other coded number to identify a named party.*

10  Department of Defense Activity Address Code (DODAAC)

*Use to indicate either a Department of Defense Activity Code or a Civilian Agency Activity Address Code.*
21 Health Industry I.D. Number (HIN)
*Use only when BAK02 is code AC or AD.*

33 Commercial and Government Entity (CAGE)
*Use to indicate vendors with CAGE codes.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Value</th>
<th>Description</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104</td>
<td>67</td>
<td>Identification Code</td>
<td>X AN 2/17</td>
</tr>
<tr>
<td>N105</td>
<td>706</td>
<td>Entity Relationship Code</td>
<td>O ID 2/2</td>
</tr>
<tr>
<td>N106</td>
<td>98</td>
<td>Entity Identifier Code</td>
<td>O ID 2/2</td>
</tr>
</tbody>
</table>

Code identifying a party or other code.

Code describing entity relationship.

Code identifying an organizational entity, a physical location, or an individual.
Segment: **N2** Additional Name Information

Position: 310
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Notes:
1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.
2. Use only if BIG07 in the applicable 850 transaction set was code AC or AD.
3. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>N201</td>
<td>93</td>
<td>Name</td>
<td>M AN 1/35</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free-form name.</td>
<td></td>
</tr>
<tr>
<td>N202</td>
<td>93</td>
<td>Name</td>
<td>O AN 1/35</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free-form name.</td>
<td></td>
</tr>
</tbody>
</table>
Segment: **N3** Address Information  
Position: 320  
Loop: N1  
Level: Heading  
Usage: Optional  
Max Use: 2  
Purpose: To specify the location of the named party  
Notes: 1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.  
2. Use only if BIG07 in the applicable 850 transaction set was code AC or AD.  
3. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

### Syntax Notes:

### Semantic Notes:

### Comments:

**Data Element Summary**

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>N301</td>
<td>166</td>
<td>Address Information</td>
<td>M AN 1/35</td>
</tr>
<tr>
<td>N302</td>
<td>166</td>
<td>Address Information</td>
<td>O AN 1/35</td>
</tr>
</tbody>
</table>

Address information
Segment: N4 Geographic Location

Position: 330
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: 1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

2. Use only if BIG07 in the applicable 850 transaction set was code AC or AD.

3. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

Syntax Notes:

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 USA or Canada.

Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>N401</td>
<td>19</td>
<td>City Name</td>
<td>O AN 2/30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free-form text for city name.</td>
<td></td>
</tr>
<tr>
<td>N402</td>
<td>156</td>
<td>State or Province Code</td>
<td>O ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code (Standard State/Province) as defined by appropriate government agency.</td>
<td></td>
</tr>
<tr>
<td>N403</td>
<td>116</td>
<td>Postal Code</td>
<td>O ID 3/9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code defining international postal zone code excluding punctuation and blanks (zip code for United States).</td>
<td></td>
</tr>
<tr>
<td>N404</td>
<td>26</td>
<td>Country Code</td>
<td>O ID 2/3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying the country.</td>
<td></td>
</tr>
<tr>
<td>X N405</td>
<td>309</td>
<td>Location Qualifier</td>
<td>X ID 1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying type of location.</td>
<td></td>
</tr>
<tr>
<td>X N406</td>
<td>310</td>
<td>Location Identifier</td>
<td>O AN 1/30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code which identifies a specific location.</td>
<td></td>
</tr>
</tbody>
</table>
Segment: **PER** Administrative Communications Contact

Position: 350  
Loop: N1  
Level: Heading  
Usage: Optional  
Max Use: 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Notes:** Use this segment when BAK02 is code AT, RF, or RJ.

**Syntax Notes:**
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

### Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;&lt; PER01</td>
<td>366</td>
<td>Contact Function Code</td>
<td>M ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying the major duty or responsibility of the person or group named.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>AA</strong> Authorized Representative</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Use to indicate the person authorized to transmit this transaction set. Use this code only when BAK02 is code AT, RF, or RJ.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>IC</strong> Information Contact</td>
<td></td>
</tr>
<tr>
<td>PER02</td>
<td>93</td>
<td>Name</td>
<td>O AN 1/35</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free-form name.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Cite the last name first, followed by the first name. Do not truncate the last name is the whole name is longer than 35 characters. Instead, truncate or use the initial of the first name.</em></td>
<td></td>
</tr>
<tr>
<td>PER03</td>
<td>365</td>
<td>Communication Number Qualifier</td>
<td>X ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying the type of communication number.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>EM</strong> Electronic Mail</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>FX</strong> Facsimile</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TE</strong> Telephone</td>
<td></td>
</tr>
<tr>
<td>PER04</td>
<td>364</td>
<td>Communication Number</td>
<td>X AN 1/80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete communications number including country or area code when applicable.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>When PER03 is code TE, cite the area code and commercial telephone number.</em></td>
<td></td>
</tr>
<tr>
<td>PER05</td>
<td>365</td>
<td>Communication Number Qualifier</td>
<td>X ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code identifying the type of communication number.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites the commercial telephone number, PER05/06 can be used to cite an electronic mail number.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>EM</strong> Electronic Mail</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>EX</strong> Telephone Extension</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Use only of PER03 is used citing code TE.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>FX</strong> Facsimile</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TE</strong> Telephone</td>
<td></td>
</tr>
<tr>
<td>PER06</td>
<td>364</td>
<td>Communication Number</td>
<td>X AN 1/80</td>
</tr>
</tbody>
</table>
Complete communications number including country or area code when applicable.
When PER05 is code TE, cite the area code and commercial telephone number.
**Segment:** PO1  **Baseline Item Data**

**Position:** 010  
**Loop:** PO1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Notes:** 1. Use this segment when BAK02 is code AC or AD.

2. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

3. When BAK02 is code AC, use to identify the correct line item information when it differs from that contained in the 850 transaction set.

**Syntax Notes:**
1. If PO103 is present, then PO102 is required.
2. If PO105 is present, then PO104 is required.
3. If PO106 is present, then PO107 is required.
4. If PO108 is present, then PO109 is required.
5. If PO110 is present, then PO111 is required.
6. If PO112 is present, then PO113 is required.
7. If PO114 is present, then PO115 is required.
8. If PO116 is present, then PO117 is required.
9. If PO118 is present, then PO119 is required.
10. If PO120 is present, then PO121 is required.
11. If PO122 is present, then PO123 is required.
12. If PO124 is present, then PO125 is required.

**Semantic Notes:**
1. See the Data Dictionary for a complete list of ID's.
2. PO101 is the line item identification
3. PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

**Data Element Summary**

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO101</td>
<td>350</td>
<td>Assigned Identification</td>
<td>O AN 1/11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Alphanumeric characters assigned for differentiation within a transaction set.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Cite the same line item number(s) as contained in the 850 transaction set.</strong></td>
<td></td>
</tr>
<tr>
<td>PO102</td>
<td>330</td>
<td>Quantity Ordered</td>
<td>X R 1/9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Quantity ordered.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Use to identify the quantity cited in the 850 transaction set of the quantity accepted by the selling party.</strong></td>
<td></td>
</tr>
<tr>
<td>PO103</td>
<td>355</td>
<td>Unit or Basis for Measurement Code</td>
<td>O ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Use to identify the unit of measure applicable to the quantity cited in PO102.</strong></td>
<td></td>
</tr>
<tr>
<td>PO104</td>
<td>212</td>
<td>Unit Price</td>
<td>X R 1/14</td>
</tr>
</tbody>
</table>

Refer to 003040 Data Element Dictionary for acceptable code values.
Price per unit of product, service, commodity, etc. 

*Use to identify the price cited in the 850 transaction set or the price accepted by the selling party.*

- **X PO105 639 Basis of Unit Price Code**  
  Code identifying the type of unit price for an item.

- **PO106 235 Product/Service ID Qualifier**  
  Code identifying the type/source of the descriptive number used in Product/Service ID (234).
  1. When BAK02 is code AD, cite the same codes as contained in the 850 transaction set.
  2. When BAK02 is code AC, cite the appropriate code to identify the line item if different than the code(s) contained in the 850 transaction set.
  3. Any code may be used but the listed codes are preferred to cite differences in line item identification.

- **CR Contract Number**  
  If BAK03 is a delivery order against a basic contract or GSA Schedule, use to indicate the contract number.

- **FS National Stock Number**
- **LT Lot Number**
- **MF Manufacturer**
- **ND National Drug Code (NDC)**
- **SN Serial Number**
- **VP Vendor's (Seller's) Part Number**

- **PO107 234 Product/Service ID**  
  Identifying number for a product or service.

- **PO108 235 Product/Service ID Qualifier**  
  Code identifying the type/source of the descriptive number used in Product/Service ID (234). Refer to 003040 Data Element Dictionary for acceptable code values.

- **PO109 234 Product/Service ID**  
  Identifying number for a product or service.

- **PO110 235 Product/Service ID Qualifier**  
  Code identifying the type/source of the descriptive number used in Product/Service ID (234). Refer to 003040 Data Element Dictionary for acceptable code values.

- **PO111 234 Product/Service ID**  
  Identifying number for a product or service.

- **PO112 235 Product/Service ID Qualifier**  
  Code identifying the type/source of the descriptive number used in Product/Service ID (234). Refer to 003040 Data Element Dictionary for acceptable code values.

- **PO113 234 Product/Service ID**  
  Identifying number for a product or service.

- **PO114 235 Product/Service ID Qualifier**  
  Code identifying the type/source of the descriptive number used in Product/Service ID (234). Refer to 003040 Data Element Dictionary for acceptable code values.
### Identifying number for a product or service.

<table>
<thead>
<tr>
<th>PO</th>
<th>Product/Service ID</th>
<th>Type</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO115</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
<tr>
<td>PO116</td>
<td>235</td>
<td>O</td>
<td>ID</td>
</tr>
<tr>
<td>PO117</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
<tr>
<td>PO118</td>
<td>235</td>
<td>O</td>
<td>ID</td>
</tr>
<tr>
<td>PO119</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
<tr>
<td>PO120</td>
<td>235</td>
<td>O</td>
<td>ID</td>
</tr>
<tr>
<td>PO121</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
<tr>
<td>PO122</td>
<td>235</td>
<td>O</td>
<td>ID</td>
</tr>
<tr>
<td>PO123</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
<tr>
<td>PO124</td>
<td>235</td>
<td>O</td>
<td>ID</td>
</tr>
<tr>
<td>PO125</td>
<td>234</td>
<td>X</td>
<td>AN</td>
</tr>
</tbody>
</table>

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

Refer to 003040 Data Element Dictionary for acceptable code values.*
Segment: **PID** Product/Item Description

<table>
<thead>
<tr>
<th>Position</th>
<th>Loop</th>
<th>Level</th>
<th>Usage</th>
<th>Max Use</th>
<th>Purpose</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>PID</td>
<td>Detail</td>
<td>Optional</td>
<td>1</td>
<td>To describe a product or process in coded or free-form format</td>
<td>1. Use this segment when BAK02 is code AC or AD.</td>
</tr>
</tbody>
</table>

2. When BAK02 is code AC or AD, transmit the same information as contained in the applicable 850 transaction set.

3. When BAK02 is code AC, transmit the item description if different than the description contained in the 840 transaction set.

**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 PID03 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:**
1. If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "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**

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PID01</td>
<td>349</td>
<td>Item Description Type</td>
<td>M</td>
</tr>
<tr>
<td>PID02</td>
<td>750</td>
<td>Product/Process Characteristic Code</td>
<td>O</td>
</tr>
<tr>
<td>PID03</td>
<td>559</td>
<td>Agency Qualifier Code</td>
<td>X</td>
</tr>
<tr>
<td>PID04</td>
<td>751</td>
<td>Product Description Code</td>
<td>X</td>
</tr>
<tr>
<td>PID05</td>
<td>352</td>
<td>Description</td>
<td>X</td>
</tr>
<tr>
<td>PID06</td>
<td>752</td>
<td>Surface/Layer/Position Code</td>
<td>O</td>
</tr>
<tr>
<td>PID07</td>
<td>822</td>
<td>Source Subqualifier</td>
<td>O</td>
</tr>
<tr>
<td>PID08</td>
<td>1073</td>
<td>Yes/No Condition or Response Code</td>
<td>O</td>
</tr>
</tbody>
</table>

Code indicating the format of a description.

**Free-form**

Code identifying the general class of a product or process characteristic.

Code identifying the agency assigning the code values.

A code from an industry code list which provides specific data about a product characteristic.

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

Code indicating the product surface, layer or position that is being described.

A reference that indicates the table or text maintained by the Source Qualifier.

Code indicating a Yes or No condition or response.
Segment: **ACK** Line Item Acknowledgment

Position: 270
Loop: ACK
Level: Detail
Usage: Optional
Max Use: 1

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item.

Notes: 1. Use this segment when BAK02 is code AC, AD, or RJ to provide information related to the line item ordered in the applicable 850 transaction set. When BAK02 is code RJ, use this segment only to identify the rejected line item.

2. When providing delivery information, use as many repetitions of this segment as necessary to specify the delivery schedule.

Syntax Notes:
1. If ACK02 is present, then ACK03 is required.
2. If ACK04 is present, then ACK05 is required.
3. If ACK07 is present, then ACK08 is required.
4. If ACK09 is present, then ACK10 is required.
5. If ACK11 is present, then ACK12 is required.
6. If ACK13 is present, then ACK14 is required.
7. If ACK15 is present, then ACK16 is required.
8. If ACK17 is present, then ACK18 is required.
9. If ACK19 is present, then ACK20 is required.
10. If ACK21 is present, then ACK22 is required.
11. If ACK23 is present, then ACK24 is required.
12. If ACK25 is present, then ACK26 is required.
13. If either ACK27 or ACK28 is present, then the other is required.
14. If ACK28 is present, then both ACK27 and ACK29 are required.

Semantic Notes: 1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Comments:

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACK01</td>
<td>003040FED01A</td>
<td>27</td>
<td>0855 - Purchase Order Acknowledgment</td>
</tr>
</tbody>
</table>

**Data Element Summary**

Code specifying the action taken by the seller on a line item requested by the buyer.

- **AC**: Item Accepted and Shipped
- **AR**: Item Accepted and Released for Shipment
- **BP**: Item Accepted - Partial Shipment, Balance Backordered
- **DR**: Item Accepted - Date Rescheduled
- **IA**: Item Accepted
- **IB**: Item Backordered
- **IC**: Item Accepted - Changes Made
- **ID**: Item Deleted
- **IE**: Item Accepted, Price Pending
- **IF**: Item on Hold, Incomplete Description
- **IH**: Item on Hold
<table>
<thead>
<tr>
<th>Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACK02</td>
<td>380</td>
<td>Numeric value of quantity.</td>
</tr>
<tr>
<td>ACK03</td>
<td>355</td>
<td>Unit or Basis for Measurement Code</td>
</tr>
<tr>
<td>ACK04</td>
<td>374</td>
<td>Date/Time Qualifier</td>
</tr>
<tr>
<td>ACK05</td>
<td>373</td>
<td>Date (YYMMDD).</td>
</tr>
<tr>
<td>ACK06</td>
<td>326</td>
<td>Request Reference Number</td>
</tr>
<tr>
<td>ACK07</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
</tr>
<tr>
<td>ACK08</td>
<td>234</td>
<td>Product/Service ID</td>
</tr>
<tr>
<td>ACK09</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
</tr>
<tr>
<td>ACK10</td>
<td>234</td>
<td>Product/Service ID</td>
</tr>
<tr>
<td>ACK11</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
</tr>
<tr>
<td>ACK12</td>
<td>234</td>
<td>Product/Service ID</td>
</tr>
<tr>
<td>ACK13</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
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<td>ACK14</td>
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<td>Product/Service ID</td>
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<tr>
<td>ACK15</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
</tr>
<tr>
<td>ACK16</td>
<td>234</td>
<td>Product/Service ID</td>
</tr>
<tr>
<td>ACK17</td>
<td>235</td>
<td>Product/Service ID Qualifier</td>
</tr>
<tr>
<td>X</td>
<td>ACK18</td>
<td>234</td>
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<tr>
<td>X</td>
<td>ACK19</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK20</td>
<td>234</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK21</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK22</td>
<td>234</td>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK23</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK24</td>
<td>234</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK25</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK26</td>
<td>234</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK27</td>
<td>559</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK28</td>
<td>822</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ACK29</td>
<td>1271</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Segment: CTT Transaction Totals
Position: 010
Loop: Summary
Level: Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Notes:
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
2 If CTT05 is present, then CTT06 is required.
Semantic Notes: Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CTT01</td>
<td>Number of Line Items</td>
<td>M N0 1/6</td>
</tr>
<tr>
<td>X</td>
<td>CTT02</td>
<td>Hash Total</td>
<td>O R 1/10</td>
</tr>
<tr>
<td>X</td>
<td>CTT03</td>
<td>Weight</td>
<td>O R 1/10</td>
</tr>
<tr>
<td>X</td>
<td>CTT04</td>
<td>Unit or Basis for Measurement Code</td>
<td>X ID 2/2</td>
</tr>
<tr>
<td>X</td>
<td>CTT05</td>
<td>Volume</td>
<td>O R 1/8</td>
</tr>
<tr>
<td>X</td>
<td>CTT06</td>
<td>Unit or Basis for Measurement Code</td>
<td>X ID 2/2</td>
</tr>
<tr>
<td>X</td>
<td>CTT07</td>
<td>Description</td>
<td>O AN 1/80</td>
</tr>
</tbody>
</table>

Number of Line Items
Total number of line items in the transaction set.

Hash Total
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 truncation to three-digit field.

Weight
Numeric value of weight.

Unit or Basis for Measurement Code
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

Volume
Value of volumetric measure.

Unit or Basis for Measurement Code
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

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

Notes:
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SE01</strong></td>
<td>96</td>
<td>Number of Included Segments</td>
<td>M N0 1/10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total number of segments included in a transaction set including ST and SE segments.</td>
<td></td>
</tr>
<tr>
<td><strong>SE02</strong></td>
<td>329</td>
<td>Transaction Set Control Number</td>
<td>M AN 4/9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</td>
<td></td>
</tr>
</tbody>
</table>

*This is the same number as ST02.*
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