

Rockwell **Automation** **POWER SYSTEMS**

Outbound 850 X12 4010

DOCUMENT OVERVIEW

This document contains the requirements for the standard EDI 850 document in ANSI version 4010 as used by ROCKWELL AUTOMATION POWER SYSTEMS. It describes the layout, syntax, and semantics for Rockwell Suppliers to use to prepare for and receive a purchase order document. ROCKWELL expects to receive a 997 as an acknowledgement of the receipt of this document from our Supplier within 24 hours.

EDI COMMUNICATIONS

ROCKWELL AUTOMATION POWER SYSTEMS prefers to use AS2 connections. If the Supplier is not AS2 capable, ROCKWELL AUTOMATION POWER SYSTEMS uses Sterling Commerce as a VAN. Sterling Commerce is capable of setting up Trading Supplier inter-connects to other VAN services as necessary.

ISA and Group Trading IDs are as follows:

Production:

ISA level qualifier: 01
ISA level sender Id: 144846607
Group level sender ID: 144846607

Test:

ISA level qualifier: ZZ
ISA level sender Id: 144846607T
Group level sender ID: 144846607T

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SAMPLE EDI 850 DATA

ISA*00* *00* *01*144846607 *ZZ*TS ID *040209*0053*U*00400*000000001*0*P*^~
GS*PO*144846607001*TS ID*20040209*00533380*1*X*004010~
ST*850*1~
BEG*00*NE*963174S**20040209~
N1*BT*ROCKWELL AUTOMATION – DODGE*1*144846607001~
N2*ROCKWELL AUTOMATION~
N3*5024 PELHAM ROAD~
N4*GREENVILLE*SC*29615~
PO1*0001*999*EA*9.9999**IN*963174~
PID*F***BELTON HUB BLANK~
MSG*LIN: --- ENG. CHANGE NUMBER: NDR ---~
SCH*999*EA***002*20040220~
CTT*1*999~
SE*12*1~
GE*1*1~
IEA*1*000000001~

| | |
|-----|---------------------|
| 850 | Purchase Order |
| | Functional Group=PO |

This document contains the format and establishes the data contents of the ROCKWELL AUTOMATION POWER SYSTEMS Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set will be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set will not be used to convey purchase order changes or purchase order acknowledgement information.

Segments:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|----------------------------|------------|----------------|---------------|--------------|--------------|
| | ISA | Interchange Control Header | M | 1 | | | Must use |
| | GS | Functional Group Header | M | 1 | | | Must use |

Heading:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|---------------------|-----------|--------------------------------------|------------|----------------|---------------|--------------|--------------|
| 010 | ST | Transaction Set Header | M | 1 | | | Must use |
| 020 | BEG | Beginning Segment for Purchase Order | M | 1 | | | Must use |
| LOOP ID - N1 | | | | | 200 | | |
| 310 | N1 | Name | O | 1 | | | Used |
| 320 | N2 | Additional Name Information | O | 2 | | | Used |
| 330 | N3 | Address Information | O | 2 | | | Used |
| 340 | N4 | Geographic Location | O | 1 | | | Used |

Detail:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|----------------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| LOOP ID - PO1 | | | | | 100000 | | |
| 010 | PO1 | Baseline Item Data | M | 1 | | | Used |
| 050 | PID | Product/Item Description | O | 1 | | | Used |
| 340 | MSG | Message Text | O | 1000 | | | Used |
| 415 | SCH | Line Item Schedule | O | 2 | | | Used |

Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 010 | CTT | Transaction Totals | M | 1 | | | Used |
| 030 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Segments:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|--------------|
| | GE | Functional Group Trailer | M | 1 | | | Must use |
| | IEA | Interchange Control Trailer | M | 1 | | | Must use |

ISA

Interchange Control Header

Pos: N/A Max: 1
Mandatory
Loop: N/A Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | | | | | | | |
|-------------|---|--|-------------|-------------|----------------|---|----|---------------|-------|-----------------------------|----|------------------|---|----|-------|----------|
| ISA01 | I01 | Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00</td><td>No Authorization Information Present (No Meaningful Information in I02)</td></tr></table> | <u>Code</u> | <u>Name</u> | 00 | No Authorization Information Present (No Meaningful Information in I02) | M | ID | 2/2 | Must use | | | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | |
| 00 | No Authorization Information Present (No Meaningful Information in I02) | | | | | | | | | | | | | | | |
| ISA02 | I02 | Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) | M | AN | 10/10 | Must use | | | | | | | | | | |
| ISA03 | I03 | Security Information Qualifier Description: Code to identify the type of information in the Security Information <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00</td><td>No Security Information Present (No Meaningful Information in I04)</td></tr></table> | <u>Code</u> | <u>Name</u> | 00 | No Security Information Present (No Meaningful Information in I04) | M | ID | 2/2 | Must use | | | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | |
| 00 | No Security Information Present (No Meaningful Information in I04) | | | | | | | | | | | | | | | |
| ISA04 | I04 | Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) | M | AN | 10/10 | Must use | | | | | | | | | | |
| ISA05 | I05 | Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>01</td><td>Duns (Dun & Bradstreet)</td></tr></table> | <u>Code</u> | <u>Name</u> | 01 | Duns (Dun & Bradstreet) | M | ID | 2/2 | Must use | | | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | |
| 01 | Duns (Dun & Bradstreet) | | | | | | | | | | | | | | | |
| ISA06 | I06 | Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>144846607</td><td>Duns (Dun & Bradstreet)</td></tr></table> | <u>Code</u> | <u>Name</u> | 144846607 | Duns (Dun & Bradstreet) | M | AN | 15/15 | Must use | | | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | |
| 144846607 | Duns (Dun & Bradstreet) | | | | | | | | | | | | | | | |
| ISA07 | I05 | Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified | M | ID | 2/2 | Must use | | | | | | | | | | |
| ISA08 | I07 | Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>01</td><td>Duns (Dun & Bradstreet)</td></tr><tr><td>09</td><td>X.121 (CCITT)</td></tr><tr><td>12</td><td>Phone (Telephone Companies)</td></tr><tr><td>ZZ</td><td>Mutually Defined</td></tr></table> | <u>Code</u> | <u>Name</u> | 01 | Duns (Dun & Bradstreet) | 09 | X.121 (CCITT) | 12 | Phone (Telephone Companies) | ZZ | Mutually Defined | M | AN | 15/15 | Must use |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | |
| 01 | Duns (Dun & Bradstreet) | | | | | | | | | | | | | | | |
| 09 | X.121 (CCITT) | | | | | | | | | | | | | | | |
| 12 | Phone (Telephone Companies) | | | | | | | | | | | | | | | |
| ZZ | Mutually Defined | | | | | | | | | | | | | | | |
| ISA09 | I08 | Interchange Date Description: Date of the interchange | M | DT | 6/6 | Must use | | | | | | | | | | |
| ISA10 | I09 | Interchange Time Description: Time of the interchange | M | TM | 4/4 | Must use | | | | | | | | | | |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ISA11 | I10 | Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. | M | ID | 1/1 | Must use |
| ISA12 | I11 | Interchange Control Version Number Description: This version number covers the interchange control segments Code Name 00400 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | M | ID | 5/5 | Must use |
| ISA13 | I12 | Interchange Control Number Description: A control number assigned by the interchange sender | M | N0 | 9/9 | Must use |
| ISA14 | I13 | Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used. | M | ID | 1/1 | Must use |
| ISA15 | I14 | Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used. | M | ID | 1/1 | Must use |
| ISA16 | I15 | Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator | M | | 1/1 | Must use |

Example:

ISA*00* *00* *01*144846607 *ZZ*TS ID *040209*0053*U*00400*000000001*0*P*^~

GS**Functional Group Header**

| | |
|-----------|-------------|
| Pos: N/A | Max: 1 |
| Mandatory | |
| Loop: N/A | Elements: 8 |

To indicate the beginning of a functional group and to provide control information.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | | | | | | | | | |
|--------------|-----------------------|--|-------------|-------------|----------------|-----------------------|--------------|-------------------|--------------|----------------------|--------------|-------------------|--------------|-----------------|---|----|------|----------|
| GS01 | 479 | Functional Identifier Code Description: Code identifying a group of application related transaction sets All valid standard codes are used. | M | ID | 2/2 | Must use | | | | | | | | | | | | |
| GS02 | 142 | Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading suppliers <table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td>144846607001</td> <td>Greenville Plant DUNS</td> </tr> <tr> <td>144846607003</td> <td>Belton Plant DUNS</td> </tr> <tr> <td>144846607004</td> <td>Asheville Plant DUNS</td> </tr> <tr> <td>144846607006</td> <td>Marion Plant DUNS</td> </tr> <tr> <td>144846607043</td> <td>Clio Plant DUNS</td> </tr> </table> | <u>Code</u> | <u>Name</u> | 144846607001 | Greenville Plant DUNS | 144846607003 | Belton Plant DUNS | 144846607004 | Asheville Plant DUNS | 144846607006 | Marion Plant DUNS | 144846607043 | Clio Plant DUNS | M | AN | 2/15 | Must use |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | | | |
| 144846607001 | Greenville Plant DUNS | | | | | | | | | | | | | | | | | |
| 144846607003 | Belton Plant DUNS | | | | | | | | | | | | | | | | | |
| 144846607004 | Asheville Plant DUNS | | | | | | | | | | | | | | | | | |
| 144846607006 | Marion Plant DUNS | | | | | | | | | | | | | | | | | |
| 144846607043 | Clio Plant DUNS | | | | | | | | | | | | | | | | | |
| GS03 | 124 | Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading suppliers | M | AN | 2/15 | Must use | | | | | | | | | | | | |
| GS04 | 373 | Date Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must use | | | | | | | | | | | | |
| GS05 | 337 | Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, 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) | M | TM | 4/8 | Must use | | | | | | | | | | | | |
| GS06 | 28 | Group Control Number Description: Assigned number originated and maintained by the sender | M | N0 | 1/9 | Must use | | | | | | | | | | | | |
| GS07 | 455 | Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard All valid standard codes are used. | M | ID | 1/2 | Must use | | | | | | | | | | | | |
| GS08 | 480 | Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed All valid standard codes are used. | M | AN | 1/12 | Must use | | | | | | | | | | | | |

Example:

GS*PO*144846607001*TS ID*20040209*00533380*1*X*004010~

ST**Transaction Set Header****Pos: 010** **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 2**

To indicate the start of a transaction set and to assign a control number.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ST01 | 143 | Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set All valid standard codes are used. | M | ID | 3/3 | Must use |
| ST02 | 329 | Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

Example:

ST*850*1~

| | | |
|------------|---|---|
| BEG | Beginning Segment for Purchase Order | Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 4 |
|------------|---|---|

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| BEG01 | 353 | Transaction Set Purpose Code Description: Code identifying purpose of transaction set. <u>Code</u> <u>Name</u> 00 Original | M | ID | 2/2 | Must use |
| BEG02 | 92 | Purchase Order Type Code Description: Code specifying the type of purchase order. <u>Code</u> <u>Name</u> NE New Order | M | ID | 2/2 | Must use |
| BEG03 | 324 | Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser. | M | AN | 1/22 | Must use |
| BEG05 | 323 | Purchase Order Date Description: Date assigned by the purchaser to Purchase Order. | M | DT | 8/8 | Must use |

Example:

BEG*00*NE*963174S**20040209~

N1**Name**

| | |
|----------------------------|--------------------|
| Pos: 310 | Max: 1 |
| Heading - Mandatory | |
| Loop: N1 | Elements: 4 |

To identify a party by type or organization, name, and code.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N101 | 98 | Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code</u> <u>Name</u> BT Bill-To Party | M | ID | 2/2 | Used |
| N102 | 93 | Name Description: Purchaser Name <u>Code</u> <u>Name</u> ROCKWELL AUTOMATION - DODGE | X | AN | 1/35 | Used |
| N103 | 66 | Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67). <u>Code</u> <u>Name</u> 1 DUNS (Dun & Bradstreet) | X | ID | 2/2 | Used |
| N104 | 67 | Identification Code Description: Code identifying a party or other code. <u>Code</u> <u>Name</u> 144846607001 Greenville Plant DUNS 144846607003 Belton Plant DUNS 144846607004 Asheville Plant DUNS 144846607006 Marion Plant DUNS 144846607043 Clio Plant DUNS | X | AN | 2/17 | Used |

Example:

N1*BT*ROCKWELL AUTOMATION – DODGE*1*144846607001~

N2

Additional Name Information

Pos: 320 Max: 1
Heading - Mandatory
Loop: N1 Elements: 1

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N201 | 93 | Name Description: Additional purchaser name. <u>Code</u> <u>Name</u> ROCKWELL AUTOMATION | M | AN | 1/35 | Used |

Example:

N2*ROCKWELL AUTOMATION~

N3**Address Information**

| | |
|----------------------------|--------------------|
| Pos: 330 | Max: 1 |
| Heading - Mandatory | |
| Loop: N1 | Elements: 1 |

To specify the location of the named party.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N301 | 166 | Address Information Description: Address of the purchaser. | M | AN | 1/35 | Used |

Example:

N3*5024 PELHAM ROAD~

N4**Geographic Location**Pos: 340 Max: 1
Heading - Mandatory
Loop: N1 Elements: 3

To specify the geographic place of the named party.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N401 | 19 | City Name Description: City of purchaser | O | AN | 2/30 | Used |
| N402 | 156 | State or Province Code Description: State of purchaser | O | ID | 2/2 | Used |
| N403 | 116 | Postal code Description: Zip code of purchaser | O | ID | 3/9 | Used |

Example:

N4*GREENVILLE*SC*29615~

PO1

Baseline Item Data

Pos: 010 Max: 100000
Detail - Mandatory
Loop: PO1 Elements: 6

To specify basic and most frequently used line item data.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | |
|-------------|---------------------|---|-------------|-------------|----------------|---------------------|---|----|-----|----------|
| PO101 | 350 | Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set. | O | AN | 1/11 | Used | | | | |
| PO102 | 330 | Quantity Ordered Description: Quantity ordered. | X | R | 1/9 | Must Use | | | | |
| PO103 | 355 | Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. | O | ID | 2/2 | Must Use | | | | |
| PO104 | 212 | Unit Price Description: Price per unit of product, service, commodity, etc. | X | R | 1/14 | Used | | | | |
| PO106 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). <table border="0" style="margin-left: 40px;"><tr><td style="text-align: center;"><u>Code</u></td><td style="text-align: center;"><u>Name</u></td></tr><tr><td style="text-align: center;">IN</td><td style="text-align: center;">Buyer's Item Number</td></tr></table> | <u>Code</u> | <u>Name</u> | IN | Buyer's Item Number | O | ID | 2/2 | Must Use |
| <u>Code</u> | <u>Name</u> | | | | | | | | | |
| IN | Buyer's Item Number | | | | | | | | | |
| PO107 | 234 | Product/Service ID Description: Buyer's item number. | X | AN | 1/30 | Must Use | | | | |

Example:

PO1*0001*999*EA*9.9999**IN*963174~

| | | | |
|------------|---------------------------------|--------------------------|--------------------|
| PID | Product/Item Description | Pos: 050 | Max: 1 |
| | | Detail - Optional | |
| | | Loop: PO1 | Elements: 2 |

To describe a product or process in coded or free-form format.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| PID01 | 349 | Item Description Type Description: Code indicating the format of a description. <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"><u>Code</u> F</div> <div style="text-align: center;"><u>Name</u> Free-form</div> </div> | M | ID | 2/2 | Must use |
| PID05 | 352 | Description Description: Product description | X | AN | 1/80 | Used |

Example:

PID*F****BELTON HUB BLANK~

| | | | |
|------------|---------------------|--------------------------|--------------------|
| MSG | Message Text | Pos: 340 | Max: 1000 |
| | | Detail - Optional | Elements: 1 |
| | | Loop: PO1 | |

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| MSG01 | 933 | Free-Form Message Text Description: Additional description on the product. | M | AN | 1/264 | Used |

Example:

MSG*LIN: --- ENG. CHANGE NUMBER: NDR ---~

SCH

Line Item Schedule

Pos: 415 Max: 2
Detail - Optional
Loop: PO1 Elements: 4

To specify the data for scheduling a specific line item.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | |
|-------------|--------------------|--|-------------|-------------|----------------|--------------------|---|----|-----|------|
| SCH01 | 380 | Quantity Description: Numeric value of quantity. | M | R | 1/15 | Used | | | | |
| SCH02 | 355 | Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. | M | ID | 2/2 | Used | | | | |
| SCH05 | 374 | Date/Time Qualifier Description: Code specifying type of date or time, or both date and time. <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>002</td><td>Delivery Requested</td></tr></table> | <u>Code</u> | <u>Name</u> | 002 | Delivery Requested | M | ID | 3/3 | Used |
| <u>Code</u> | <u>Name</u> | | | | | | | | | |
| 002 | Delivery Requested | | | | | | | | | |
| SCH06 | 373 | Date Description: Delivery requested date CCYYMMDD. | M | DT | 8/8 | Used | | | | |

Example:

SCH*999*EA***002*20040220~

| | | | |
|------------|---------------------------|---------------------------|--------------------|
| CTT | Transaction Totals | Pos: 010 | Max: 1 |
| | | Summary - Optional | |
| | | Loop: N/A | Elements: 2 |

To transmit a hash total for a specific element in the transaction set.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| CTT01 | 354 | Number of Line Items Description: Total number of line items in the transaction set. | M | N0 | 1/6 | Used |
| CTT02 | 347 | Hash Total Description: Sum of values of the specified data element. | O | R | 1/10 | Used |

Example:

CTT*1*999~

SE**Transaction Set Trailer**

Pos: 030

Max: 1

Summary - Mandatory

Loop: N/A

Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| SE01 | 96 | Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments | M | N0 | 1/10 | Must use |
| SE02 | 329 | Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

Example:

SE*12*1~

GE**Functional Group Trailer**Pos: N/A Max: 1
Mandatory
Loop: N/A Elements: 2

To indicate the end of a functional group and to provide control information

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| GE01 | 97 | Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | M | N0 | 1/6 | Must use |
| GE02 | 28 | Group Control Number Description: Assigned number originated and maintained by the sender | M | N0 | 1/9 | Must use |

Example:

GE*1*1~

| | | | |
|------------|------------------------------------|-----------|-------------|
| IEA | Interchange Control Trailer | Pos: N/A | Max: 1 |
| | | Loop: N/A | Elements: 2 |

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| IEA01 | I16 | Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange | M | N0 | 1/5 | Must use |
| IEA02 | I12 | Interchange Control Number Description: A control number assigned by the interchange sender | M | N0 | 9/9 | Must use |

Example:

IEA*1*000000001~