**Navistar, Inc.**

# EDI 866 – Production Sequence

## VERSION:
## ANSI ASC X12
## Version Release 4010

| | |
|---|---|
| EDI 866 Implementation Guide | **Document Number:** PUR-2015<br>**Revision:** 4.0<br>**Revision Date:** January 20, 2022 |
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# 866 Production Sequence

## Functional Group=SQ

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Production Sequence Transaction Set (866) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for the receiver of goods to request the order in which shipments of goods arrive at one or more locations, or to specify the order in which the goods are to be unloaded from the conveyance method, or both. This specifies the sequence in which the goods are to enter the materials handling process, or are to be consumed in the production process, or both. This transaction set shall not be used to authorize labor, materials, or other resources. This transaction set shall not be used to revise any product characteristic specification.

## Heading:

| | Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|---|---|---|---|---|---|---|---|---|
| | 010 | ST | Transaction Set Header | M | 1 | | | Must use |
| | 020 | BSS | Beginning Segment for Shipping Schedule/Production Sequence | M | 1 | | | Must use |
| | 030 | UIT | Unit Detail | O | 1 | | | Used |
| | **LOOP ID - N1** | | | | | **>1** | | |
| | 040 | N1 | Name | O | 1 | | | Used |
| * | 050 | N2 | Additional Name Information | O | 2 | | | Not Used |
| * | 060 | N3 | Address Information | O | 1 | | | Not Used |
| * | 070 | N4 | Geographic Location | O | 1 | | | Not Used |
| | 080 | REF | Reference Identification | O | 12 | | | Used |
| * | 090 | PER | Administrative Communications Contact | O | 3 | | | Not Used |
| * | 100 | FOB | F.O.B. Related Instructions | O | 1 | | | Not Used |
| | **LOOP ID - DTM** | | | | | **100** | | |
| | 110 | DTM | Date/Time Reference | M | 1 | | | Must use |
| * | 120 | UIT | Unit Detail | O | 1 | | | Not Used |
| | 130 | QTY | Quantity | O | 1 | | | Used |
| | 140 | REF | Reference Identification | O | >1 | | | Used |
| | **LOOP ID - LIN** | | | | | **>1** | | |
| | 150 | LIN | Item Identification | O | 1 | | | Used |
| | 160 | REF | Reference Identification | O | >1 | | | Used |
| | 170 | QTY | Quantity | O | 1 | | | Used |
| * | 171 | PID | Product/Item Description | O | 1 | | | Not Used |
| * | 172 | OQS | Order Quantity Sequence | O | 1 | | | Not Used |
| | **LOOP ID - SLN** | | | | | **100** | | |
| | 173 | SLN | Subline Item Detail | O | 1 | | | Used |
| | 174 | N1 | Name | O | 1 | | | Used |
| * | 175 | N2 | Additional Name Information | O | 1 | | | Not Used |
| * | 176 | N3 | Address Information | O | 1 | | | Not Used |
| * | 177 | N4 | Geographic Location | O | 1 | | | Not Used |
| * | 178 | REF | Reference Identification | O | 1 | | | Not Used |
| * | 179 | PER | Administrative Communications Contact | O | 1 | | | Not Used |
| | **LOOP ID - PID** | | | | | **>1** | | |
| | 180 | PID | Product/Item Description | O | 1 | | | Used |
| | 185 | QTY | Quantity | O | 1 | | | Used |
| | 190 | MEA | Measurements | O | 10 | | | Used |
| | 195 | CTT | Transaction Totals | M | 1 | | N1/195 | Must use |
| | 200 | SE | Transaction Set Trailer | M | 1 | | | Must use |

## Notes:

1/195 The number of line items (CTT01) is the accumulation of the number of DTM segments. If used, hash total (CTT02) is the sum of the value of quantity (QTY02) for each QTY segment.

# ST Transaction Set Header

| Pos: 010 | Max: 1 |
|---|---|
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| ST01 | 143 | **Transaction Set Identifier Code**<br>**Description:** Code uniquely identifying a Transaction Set<br>**Code Name**<br>866 Production Sequence | M | ID | 3/3 | Used |
| ST02 | 329 | **Transaction Set Control Number**<br>**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 | Used |

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

## Trading Partner:

*This segment is used in all Navistar 866 transactions.*

## Example:

ST*866*0001 n/l

# BSS Beginning Segment for Shipping Schedule/Production Sequence

| Pos: 020 | Max: 1 |
|---|---|
| Heading - Mandatory | |
| Loop: N/A | Elements: 11 |

**User Option (Usage):** Must use

**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| BSS01 | 353 | **Transaction Set Purpose Code**<br>**Description:** Code identifying purpose of transaction set<br>**Code Name**<br>05 Replace | M | ID | 2/2 | Must use |
| BSS02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>**Trading Partner:** R2617 will always be used to identify the standard Truck Production 866 Documents.<br>R2617P will always be used to identify the Truck Process Information Report.<br>R2617S will always be used to identify the Truck Slotted Order Report.<br>Release number will be used for Plants 016 and 044 | M | AN | 1/30 | Must use |
| BSS03 | 373 | **Date**<br>**Description:** Date expressed as CCYYMMDD<br>**Trading Partner:** Navistar will use the system run date to identify the document create date. | M | DT | 8/8 | Must use |
| BSS04 | 675 | **Schedule Type Qualifier**<br>**Description:** Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast<br>**Code Name**<br>DL Delivery Based<br>PD Planned Delivery Based | M | ID | 2/2 | Must use |
| BSS05 | 373 | **Date**<br>**Description:** Date expressed as CCYYMMDD<br>**Trading Partner:** Horizon Start date. | M | DT | 8/8 | Must use |
| BSS06 | 373 | **Date**<br>**Description:** Date expressed as CCYYMMDD<br>**Trading Partner:** Horizon End date. | M | DT | 8/8 | Must use |
| BSS07 | 328 | **Release Number**<br>**Description:** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction<br>**Trading Partner:** Navistar uses a combination of Plant Code, Supplier Code and Run Date to | C | AN | 1/30 | Used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | determine the release number. | | | | |
| * | BSS08 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |
| * | BSS09 | 367 | **Contract Number**<br>**Description:** Contract number | O | AN | 1/30 | Not used |
| * | BSS10 | 324 | **Purchase Order Number**<br>**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser | O | AN | 1/22 | Not used |
| | BSS11 | 676 | **Schedule Quantity Qualifier**<br>**Description:** Code identifying the type of quantities used when defining a schedule or forecast<br>**Code Name**<br>A Actual Discrete Quantities | O | ID | 1/1 | Used |

## Syntax Rules:

1. R0708 - At least one of BSS07 or BSS08 is required.

## Semantics:

1. Use BSS02 to indicate a document number.
2. Use BSS03 to indicate the date of this document.
3. Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins).
4. Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends).
5. BSS08 is the identifying number for a forecast assigned by the orderer/purchaser.

## Trading Partner:

Production Sequence Example:
BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A n/l

Process Information Example:
BSS*05*R2617P*19990627*DL*19990628*19990731*002ASM12345X1990627****A n/l

Slotted Order Example:
BSS*05*R2617S*19990527*PD*19990528*19991130*002ASM12345X1990527****A n/l

Attribute Based Release (ABR) Example:
BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A n/l

Attribute Based Release (ABR) Module/Kit Example:
BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A n/l

# UIT Unit Detail

| Pos: 030 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: N/A | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify item unit data

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | UIT01 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | M | Comp | | Must use |
| | UIT01-01 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**Code Name**<br>PC Piece | M | ID | 2/2 | Must use |
| * | UIT01-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | UIT01-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | UIT01-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Used |
| * | UIT01-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | UIT01-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | UIT01-07 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | UIT01-08 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | UIT01-09 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | UIT01-10 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | UIT01-11 | 1018 | **Exponent** | O | R | 1/15 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | **Description:** Power to which a unit is raised | | | | |
| * | UIT01-12 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | UIT01-13 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | UIT01-14 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | UIT01-15 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | UIT02 | 212 | **Unit Price** | C | R | 1/17 | Not used |
| | | | **Description:** Price per unit of product, service, commodity, etc. | | | | |
| * | UIT03 | 639 | **Basis of Unit Price Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code identifying the type of unit price for an item | | | | |

## Syntax Rules:

1. C0302 - If UIT03 is present, then UIT02 is required.

## Trading Partner:

Production Sequence Example:
UIT*PC n/l

Attribute Based Release (ABR) Example:
UIT*PC n/l

Attribute Based Release (ABR) Module/Kit Example:
UIT*PC n/l

# N1 Name

| Pos: 040 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: N1 | Elements: 6 |

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | N101 | 98 | **Entity Identifier Code**<br>**Description:** Code identifying an organizational entity, a physical location, property or an individual<br>**Code Name**<br>ST Ship To<br>SU Supplier/Manufacturer | M | ID | 2/3 | Must use |
| * | N102 | 93 | **Name**<br>**Description:** Free-form name | C | AN | 1/60 | Not used |
| | N103 | 66 | **Identification Code Qualifier**<br>**Description:** Code designating the system/method of code structure used for Identification Code (67)<br>**Code Name**<br>92 Assigned by Buyer or Buyer's Agent | C | ID | 1/2 | Used |
| | N104 | 67 | **Identification Code**<br>**Description:** Code identifying a party or other code<br>**Trading Partner:**<br>When "SU" is present in Data Element 98, Navistar requires its seven digit buyer assigned supplier code.<br>When "ST" is present in Data Element 98, see 'Document of Ship to Codes' for the appropriate code. | C | AN | 2/80 | Used |
| * | N105 | 706 | **Entity Relationship Code**<br>**Description:** Code describing entity relationship | O | ID | 2/2 | Not used |
| * | N106 | 98 | **Entity Identifier Code**<br>**Description:** Code identifying an organizational entity, a physical location, property or an individual | O | ID | 2/3 | Not used |

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - 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.

## Trading Partner:

Production Sequence Examples:
N1*ST**92*002ASM n/l
N1*SU**92*12345X1 n/l

Process Information Examples:
N1*ST**92*002ASM n/l
N1*SU**92*12345X1 n/l

Slotted Order Examples:
N1*ST**92*002ASM n/l
N1*SU**92*12345X1 n/l

Attribute Based Release (ABR) Examples:
N1*ST**92*002ASM n/l
N1*SU**92*12345X1 n/l

Attribute Based Release (ABR) Module/Kit Examples:
N1*ST**92*002ASM n/l
N1*SU**92*12345X1 n/l

# REF Reference Identification

| Pos: 080 | Max: 12 |
|---|---|
| Heading - Optional | |
| Loop: N1 | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | REF01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification<br>**Code Name**<br>DK Dock Number | M | ID | 2/3 | Must use |
| | REF02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Used |
| * | REF03 | 352 | **Description**<br>**Description:** A free-form description to clarify the related data elements and their content | C | AN | 1/80 | Not used |
| * | REF04 | C040 | **Reference Identifier**<br>**Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O | Comp | | Not used |
| * | REF04-01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | M | ID | 2/3 | Not used |
| * | REF04-02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M | AN | 1/30 | Not used |
| * | REF04-03 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-04 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |
| * | REF04-05 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-06 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## Trading Partner:

Production Sequence Example:
REF*DK*K999 n/l

Attribute Based Release (ABR) Example:
REF*DK*K999 n/l

Attribute Based Release (ABR) Module/Kit Example:
REF*DK*K999 n/l

# DTM Date/Time Reference

**Pos: 110** **Max: 1**
**Heading - Mandatory**
**Loop: DTM** **Elements: 6**

**User Option (Usage):** Must use
**Purpose:** To specify pertinent dates and times

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | DTM01 | 374 | **Date/Time Qualifier**<br>**Description:** Code specifying type of date or time, or both date and time<br>**Trading Partner:**<br>Code "002 Delivery Requested" is used for all regular Production Sequenced transactions.<br>Code "579 Planned Release" is used only in the Slotted Order 866 transactions.<br>**Code Name**<br>002 Delivery Requested<br>579 Planned Release | M | ID | 3/3 | Must use |
| * | DTM02 | 373 | **Date**<br>**Description:** Date expressed as CCYYMMDD | C | DT | 8/8 | Not used |
| * | DTM03 | 337 | **Time**<br>**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) | C | TM | 4/8 | Used |
| | DTM04 | 623 | **Time Code**<br>**Description:** 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<br>**Code Name**<br>CD Central Daylight Time<br>CS Central Standard Time<br>ED Eastern Daylight Time<br>ES Eastern Standard Time<br>GM Greenwich Mean Time<br>MD Mountain Daylight Time<br>MS Mountain Standard Time<br>PD Pacific Daylight Time<br>PS Pacific Standard Time | O | ID | 2/2 | Used |
| | DTM05 | 1250 | **Date Time Period Format Qualifier**<br>**Description:** Code indicating the date format, time format, or date and time format | C | ID | 2/3 | Used |

| Code | Name |
|---|---|
| D8 | Date Expressed in Format CCYYMMDD |
| RD8 | Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD |

**Description:** A range of dates expressed in the format CCYYMMDD-CCYYMMDD where CCYY is the numerical expression of the century CC and year YY, MM is the numerical expression of the month within the year, and DD is the numerical expression of the day within the year; the first occurrence of CCYYMMDD is the beginning date and the second occurrence is the ending date

| | | | | | | |
|---|---|---|---|---|---|---|
| DTM06 | 1251 | **Date Time Period** | C | AN | 1/35 | Used |

**Description:** Expression of a date, a time, or range of dates, times or dates and times

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

## Trading Partner:

Production Sequence Examples:
DTM*002**0700*ES*D8*19990628 n/l
DTM*002**1000*ES*D8*19990628 n/l

Process Information Examples:
DTM*002****D8*19990628 n/l
DTM*002****D8*19990628 n/l

Slotted Order Examples:
DTM*579****RD8*19990528-19991130 n/l
DTM*579****RD8*19990709-19990715 n/l
DTM*579****RD8*19990806-19990812 n/l
DTM*579****RD8*19990820-19990831 n/l
DTM*579****RD8*19990901-19990930 n/l
DTM*579****RD8*19991101-19991130 n/l

Attribute Based Release (ABR) Examples:
DTM*002**0700*ES*D8*19990628 n/l
DTM*002**1000*ES*D8*19990629 n/l
DTM*002**1000*ES*D8*19990630 n/l

Attribute Based Release (ABR) Module/Kit Example:
DTM*002**0700*ES*D8*19990628

# QTY Quantity

| Pos: 130 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: DTM | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify quantity information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | QTY01 | 673 | **Quantity Qualifier**<br>**Description:** Code specifying the type of quantity<br>**Code Name**<br>01 Discrete Quantity | M | ID | 2/2 | Must use |
| | QTY02 | 380 | **Quantity**<br>**Description:** Numeric value of quantity | C | R | 1/15 | Used |
| | QTY03 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | O | Comp | | Used |
| | QTY03-01 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Must use |
| * | QTY03-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | QTY03-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | QTY03-07 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-08 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-09 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to | O | R | 1/10 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | obtain a new value | | | | |
| * | QTY03-10 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-11 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-12 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY03-13 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-14 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-15 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY04 | 61 | **Free-Form Message** | C | AN | 1/30 | Not used |
| | | | **Description:** Free-form information | | | | |

## Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

## Semantics:

1. QTY04 is used when the quantity is non-numeric.

## Trading Partner:

Production Sequence Examples:
QTY*01*1 n/l
QTY*01*1 n/l

Attribute Based Release (ABR) Examples:
QTY*01*1 n/l
QTY*01*1 n/l
QTY*01*1 n/l

Attribute Based Release (ABR) Module/Kit Example:
QTY*01*1 n/l

# REF Reference Identification

| Pos: 140 | Max: >1 |
|---|---|
| Heading - Optional | |
| Loop: DTM | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | REF01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification<br>**Code Name**<br>LF Assembly Line Feed Location | M | ID | 2/3 | Must use |
| | REF02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Used |
| * | REF03 | 352 | **Description**<br>**Description:** A free-form description to clarify the related data elements and their content | C | AN | 1/80 | Not used |
| * | REF04 | C040 | **Reference Identifier**<br>**Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O | Comp | | Not used |
| * | REF04-01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | M | ID | 2/3 | Not used |
| * | REF04-02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M | AN | 1/30 | Not used |
| * | REF04-03 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-04 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |
| * | REF04-05 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-06 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## Trading Partner:

Production Sequence Examples:
REF*LF*1 n/l
REF*LF*2 n/l

Process Information Examples:
REF*LF*1 n/l
REF*LF*2 n/l

Attribute Based Release (ABR) Examples:
REF*LF*1 n/l
REF*LF*1 n/l
REF*LF*2 n/l

Attribute Based Release (ABR) Module/Kit Example:
REF*LF*1 n/l

# LIN Item Identification

| Pos: 150 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: LIN | Elements: 31 |

**User Option (Usage):** Used

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

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| * | LIN01 | 350 | **Assigned Identification**<br>**Description:** Alphanumeric characters assigned for differentiation within a transaction set | O | AN | 1/20 | Not used |
| | LIN02 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Code Name**<br>AO Production Sequence Number<br>BP Buyer's Part Number<br>C4 Configuration Item Identifier<br>CG Commodity Grouping<br>GQ Group Qualifier Code<br>JN Job Number<br>JS Job Sequence Number<br>LA Labor Group<br>PU Part Reference Number<br>RS Set Number | M | ID | 2/2 | Used |
| | LIN03 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | M | AN | 1/48 | Used |
| | LIN04 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Trading Partner:**<br>Refer to LIN02 for the list of expected codes. | C | ID | 2/2 | Used |
| | LIN05 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service<br>**Trading Partner:**<br>Navistar will use a code of "C" to signify a complete configuration.<br>Navistar will use a code of "I" to signify an incomplete configuration. | C | AN | 1/48 | Used |
| | LIN06 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Trading Partner:**<br>Refer to LIN02 for the list of expected codes. | C | ID | 2/2 | Used |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| LIN07 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Used |
| LIN08 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Trading Partner:**<br>Refer to LIN02 for the list of expected codes. | C | ID | 2/2 | Used |
| LIN09 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Used |
| LIN10 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Trading Partner:**<br>Refer to LIN02 for the list of expected codes. | C | ID | 2/2 | Used |
| LIN11 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Used |
| LIN12 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Trading Partner:**<br>Refer to LIN02 for the list of expected codes. | C | ID | 2/2 | Used |
| LIN13 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Used |
| * LIN14 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | C | ID | 2/2 | Not used |
| * LIN15 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Not used |
| * LIN16 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | C | ID | 2/2 | Not used |
| * LIN17 | 234 | **Product/Service ID**<br>**Description:** Identifying number for a product or service | C | AN | 1/48 | Not used |
| * LIN18 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service | C | ID | 2/2 | Not used |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| | | ID (234) | | | | |
| * LIN19 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN20 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN21 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN22 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN23 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN24 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN25 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN26 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN27 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN28 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN29 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * LIN30 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * LIN31 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|

## Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

## Semantics:

1. LIN01 is the line item identification

## Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## Trading Partner:

Production Sequence Examples:
LIN**JS*001*RS*5676*BP*123456C1*JN*608566*LA*5400*CG*326D n/l
LIN**JS*002*RS*5677*BP*123457C1*JN*608567*LA*6352*CG*326D n/l
LIN**JS*001*RS*6355*BP*125977C91*JN*507399*LA*5400*CG*326D n/l
LIN**JS*002*RS*6356*BP*236391C91*JN*507400*LA*6352*CG*326D n/l

Process Information Examples:
LIN**JN*507399 n/l
LIN**JN*507400 n/l

Slotted Order Examples:
LIN**C4*1*GQ*C*PU*5BA942A7 n/l
LIN**C4*2*GQ*C*PU*A07DCE49 n/l
LIN**C4*3*GQ*C*PU*252DBEAF n/l
LIN**C4*4*GQ*I*PU*F8E18265 n/l
LIN**JN*000345*C4*1 n/l
LIN**JN*000346*C4*1 n/l
LIN**JN*000490*C4*1 n/l
LIN**JN*000487*C4*2 n/l
LIN**JN*000552*C4*1 n/l
LIN**JN*000601*C4*2 n/l
LIN**JN*000612*C4*1 n/l
LIN**JN*000780*C4*3 n/l
LIN**JN*000815*C4*1 n/l
LIN**JN*000933*C4*4 n/l

Attribute Based Release (ABR) Examples:

LIN**JS*001*RS*5676*PU*6DBB1D8C*JN*608566 n/l
LIN**JS*001*RS*5676*BP*1234567F91*JN*608566*LA*5400*CG*326D n/l
LIN**JS*001*RS*5676*BP*1234578F91*JN*608566*LA*5400 *CG*326D n/l
LIN**JS*001*RS*5676*BP*1234579F91*JN*608566*LA*5400 *CG*326D n/l
LIN**JS*002*RS*5677*PU*8BC20C86*JN*608569 n/l
LIN**JS*002*RS*5676*BP*1234590F91*JN*608569*LA*5400 *CG*326D n/l
LIN**JS*002*RS*5676*BP*1234501F91*JN*608569*LA*5400 *CG*326D n/l
LIN**JS*002*RS*5676*BP*1234602F91*JN*608569*LA*5400 *CG*326D n/l
LIN**JS*001*RS*5755*PU*2FF21A2C*JN*608541 n/l
LIN**JS*001*RS*5755*BP*3545450F91*JN*608541*LA*6352 *CG*175A n/l
LIN**JS*001*RS*5755*BP*3545701F91*JN*608541*LA*6352 *CG*175A n/l

Attribute Based Release (ABR) Module/Kit Examples:
LIN**JS*001*RS*5101*PU*914C7753*JN*508665 n/l
LIN**JS*001*RS*5101*BP*1234567C91*JN*508665*LA*5400*CG*326D n/l
LIN**JS*001*RS*5101*BP*3521452C91*JN*508665*LA*5400 *CG*326D n/l
LIN**JS*001*RS*5101*BP*3522422C1*JN*508665*LA*5400 *CG*326D n/l

# REF Reference Identification

| Pos: 160 | Max: >1 |
|---|---|
| Heading - Optional | |
| Loop: LIN | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | REF01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification<br>**Code Name**<br>QZ Reference Drawing Number | M | ID | 2/3 | Used |
| | REF02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Used |
| * | REF03 | 352 | **Description**<br>**Description:** A free-form description to clarify the related data elements and their content | C | AN | 1/80 | Not used |
| * | REF04 | C040 | **Reference Identifier**<br>**Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O | Comp | | Not used |
| * | REF04-01 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | M | ID | 2/3 | Not used |
| * | REF04-02 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M | AN | 1/30 | Not used |
| * | REF04-03 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-04 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |
| * | REF04-05 | 128 | **Reference Identification Qualifier**<br>**Description:** Code qualifying the Reference Identification | C | ID | 2/3 | Not used |
| * | REF04-06 | 127 | **Reference Identification**<br>**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Not used |

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## Trading Partner:

Process Information Examples:
REF*QZ*FD000510300102007022 0X6 n/l
REF*QZ*FD000510300203007022 0X6 n/l
REF*QZ*FD000510300701007022 0X6 n/l
REF*QZ*FD000510300903007022 0X6 n/l

# QTY Quantity

| Pos: 170 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: LIN | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify quantity information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | QTY01 | 673 | **Quantity Qualifier**<br>**Description:** Code specifying the type of quantity<br>**Code Name**<br>01 Discrete Quantity | M | ID | 2/2 | Used |
| | QTY02 | 380 | **Quantity**<br>**Description:** Numeric value of quantity | C | R | 1/15 | Used |
| * | QTY03 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | O | Comp | | Not used |
| * | QTY03-01 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | QTY03-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | QTY03-07 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-08 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-09 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to | O | R | 1/10 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | obtain a new value | | | | |
| * | QTY03-10 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-11 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-12 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY03-13 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-14 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-15 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY04 | 61 | **Free-Form Message** | C | AN | 1/30 | Not used |
| | | | **Description:** Free-form information | | | | |

## Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

## Semantics:

1. QTY04 is used when the quantity is non-numeric.

## Trading Partner:

Production Sequence Example:
QTY*01*4 n/l
Slotted Order Examples:
QTY*01*6 n/l
QTY*01*2 n/l
QTY*01*1 n/l
QTY*01*1 n/l
QTY*01*2 n/l
Attribute Based Release (ABR) Examples:
QTY*01*4 n/l
QTY*01*2 n/l
QTY*01*2 n/l
Attribute Based Release (ABR) Module/Kit Example:
QTY*01*4 n/l

# SLN Subline Item Detail

| Pos: 173 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: SLN | Elements: 28 |

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item data

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | SLN01 | 350 | **Assigned Identification**<br>**Description:** Alphanumeric characters assigned for differentiation within a transaction set | M | AN | 1/20 | Used |
| * | SLN02 | 350 | **Assigned Identification**<br>**Description:** Alphanumeric characters assigned for differentiation within a transaction set | O | AN | 1/20 | Not used |
| | SLN03 | 662 | **Relationship Code**<br>**Description:** Code indicating the relationship between entities<br>**Code Name**<br>I Included | M | ID | 1/1 | Used |
| | SLN04 | 380 | **Quantity**<br>**Description:** Numeric value of quantity | C | R | 1/15 | Used |
| | SLN05 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | C | Comp | | Used |
| | SLN05-01 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**Code Name**<br>PC Piece | M | ID | 2/2 | Used |
| * | SLN05-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | SLN05-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | SLN05-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | SLN05-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | SLN05-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| * | SLN05-07 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | SLN05-08 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | SLN05-09 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | SLN05-10 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | SLN05-11 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | SLN05-12 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | SLN05-13 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | SLN05-14 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | SLN05-15 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | SLN06 | 212 | **Unit Price**<br>**Description:** Price per unit of product, service, commodity, etc. | C | R | 1/17 | Not used |
| * | SLN07 | 639 | **Basis of Unit Price Code**<br>**Description:** Code identifying the type of unit price for an item | O | ID | 2/2 | Not used |
| * | SLN08 | 662 | **Relationship Code**<br>**Description:** Code indicating the relationship between entities | O | ID | 1/1 | Not used |
| | SLN09 | 235 | **Product/Service ID Qualifier**<br>**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>**Code Name**<br>BP Buyer's Part Number | C | ID | 2/2 | Used |
| | SLN10 | 234 | **Product/Service ID** | C | AN | 1/48 | Used |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN11 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN12 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN13 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN14 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN15 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN16 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN17 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN18 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN19 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN20 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN21 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * SLN22 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | **Description:** Identifying number for a product or service | | | | |
| * SLN23 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | **Description:** Code identifying the type/source of | | | | |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | the descriptive number used in Product/Service ID (234) | | | | |
| * | SLN24 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | | **Description:** Identifying number for a product or service | | | | |
| * | SLN25 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * | SLN26 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | | **Description:** Identifying number for a product or service | | | | |
| * | SLN27 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Not used |
| | | | **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| * | SLN28 | 234 | **Product/Service ID** | C | AN | 1/48 | Not used |
| | | | **Description:** Identifying number for a product or service | | | | |

## Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

## Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

## Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## Trading Partner:

Process Information Examples:

SLN*J**I n/l

SLN*1**I*8*PC****BP*158120R91 n/l
SLN*2**I*8*PC****BP*2029546C1 n/l
SLN*3**I*8*PC****BP*7332110185 n/l
SLN*J**I n/l

Slotted Order Examples:
SLN*1**I*1*PC****BP*1R1 n/l
SLN*2**I*1*PC****BP*2R1 n/l
SLN*3**I*1*PC****BP*3R1 n/l
SLN*4**I*1*PC****BP*4R1 n/l
SLN*1**I*1*PC****BP*1R2 n/l
SLN*2**I*1*PC****BP*2R2 n/l
SLN*3**I*1*PC****BP*3R2 n/l
SLN*4**I*1*PC****BP*4R2 n/l
SLN*1**I*1*PC****BP*1R2 n/l
SLN*2**I*1*PC****BP*2R1 n/l
SLN*3**I*1*PC****BP*3R2 n/l
SLN*4**I*1*PC****BP*4R1 n/l
SLN*1**I*1*PC****BP*1R1 n/l
SLN*2**I*1*PC****BP*2R1 n/l
SLN*3**I*1*PC****BP*3R1 n/l

# N1 Name

| Pos: 174 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: SLN | Elements: 6 |

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | N101 | 98 | **Entity Identifier Code**<br>**Description:** Code identifying an organizational entity, a physical location, property or an individual<br>**Code Name**<br>VN Vendor | M | ID | 2/3 | Used |
| * | N102 | 93 | **Name**<br>**Description:** Free-form name | C | AN | 1/60 | Not used |
| | N103 | 66 | **Identification Code Qualifier**<br>**Description:** Code designating the system/method of code structure used for Identification Code (67)<br>**Code Name**<br>92 Assigned by Buyer or Buyer's Agent | C | ID | 1/2 | Used |
| | N104 | 67 | **Identification Code**<br>**Description:** Code identifying a party or other code<br>**Trading Partner:**<br>When "VN" is present in Data Element 98, Navistar requires its seven digit buyer assigned suppler code. | C | AN | 2/80 | Used |
| * | N105 | 706 | **Entity Relationship Code**<br>**Description:** Code describing entity relationship | O | ID | 2/2 | Not used |
| * | N106 | 98 | **Entity Identifier Code**<br>**Description:** Code identifying an organizational entity, a physical location, property or an individual | O | ID | 2/3 | Not used |

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - 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.

## Trading Partner:

Process Information Examples:

N1*VN**92*69341X3 n/l

N1*VN**92*43216X1 n/l

N1*VN**92*34567X1 n/l

# PID Product/Item Description

**Pos: 180** **Max: 1**
**Heading - Optional**
**Loop: PID** **Elements: 9**

**User Option (Usage):** Used
**Purpose:** To describe a product or process in coded or free-form format

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | PID01 | 349 | **Item Description Type**<br>**Description:** Code indicating the format of a description<br>**Code Name**<br>X Semi-structured (Code and Text) | M | ID | 1/1 | Must use |
| * | PID02 | 750 | **Product/Process Characteristic Code**<br>**Description:** Code identifying the general class of a product or process characteristic | O | ID | 2/3 | Not used |
| | PID03 | 559 | **Agency Qualifier Code**<br>**Description:** Code identifying the agency assigning the code values<br>**Code Name**<br>ZZ Mutually Defined | C | ID | 2/2 | Used |
| | PID04 | 751 | **Product Description Code**<br>**Description:** A code from an industry code list which provides specific data about a product characteristic<br>**Trading Partner:**<br>PID04 is used to define the Process Word. See Business Process Guide for a list of valid Process Words. | C | AN | 1/12 | Used |
| | PID05 | 352 | **Description**<br>**Description:** A free-form description to clarify the related data elements and their content<br>**Trading Partner:**<br>PID05 is the value associated with the Process WOrd defined by PID04. See Business Process Guide for a list of Process Word Values. | C | AN | 1/80 | Used |
| | PID06 | 752 | **Surface/Layer/Position Code**<br>**Description:** Code indicating the product surface, layer or position that is being described<br>**Trading Partner:**<br>PID06 describes the location or position associated with the Process WOrd defined in PID04.<br>**Code Name**<br>BK Rear<br>FR Front<br>FS Front Spare<br>SS Rear Spare | O | ID | 2/2 | Used |
| | PID07 | 822 | **Source Subqualifier** | O | AN | 1/15 | Used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | **Description:** A reference that indicates the table or text maintained by the Source Qualifier<br>**Trading Partner:**<br>PID07 is used to further define the location associated with the Process Word defined in PID04. | | | | |
| * | PID08 | 1073 | **Yes/No Condition or Response Code**<br>**Description:** Code indicating a Yes or No condition or response | O | ID | 1/1 | Not used |
| * | PID09 | 819 | **Language Code**<br>**Description:** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | O | ID | 2/3 | Not used |

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

## Trading Partner:

Process Information Examples:
PID*X**ZZ*ORD-JOB-POSN*1 n/l
PID*X**ZZ*ORD-QTY*10 n/l
PID*X**ZZ*AF*01340 n/l
PID*X**ZZ*FEATURE-CODE*504615 n/l
PID*X**ZZ*FEATURE-CODE*504030 n/l
PID*X**ZZ*IP-LOCATION*SW-FOG-LT**S4 n/l
PID*X**ZZ*IP-LOCATION*SW-ENG-BK-SEL**S3 n/l
PID*X**ZZ*PROP1* 02BNN n/l
PID*X**ZZ*PT1*S 2322 n/l
PID*X**ZZ*WB*05600 n/l
PID*X**ZZ*TIRE*005A*FR n/l
PID*X**ZZ*TIRE*005A*BK n/l
PID*X**ZZ*TIRE*005A*FS n/l
PID*X**ZZ*TIRE*005C*SS n/l
PID*X**ZZ*TIRE-PAINT*9036 n/l

PID*X**ZZ*TIRE*594B*FR n/l
PID*X**ZZ*TIRE*594B*BK n/l
PID*X**ZZ*TIRE*594B*FS n/l
PID*X**ZZ*TIRE*594B*SS n/l
PID*X**ZZ*TIRE-TYPE*DDn/l
PID*X**ZZ*TIRE*556A*FR n/l
PID*X**ZZ*TIRE*556A*BK n/l
PID*X**ZZ*TIRE*556A*FS n/l
PID*X**ZZ*TIRE*556A*SS n/l
PID*X**ZZ*ORD-JOB-POSN*1 n/l
PID*X**ZZ*ORD-QTY*10 n/l
PID*X**ZZ*AF*01540 n/l
PID*X**ZZ*PROP1* 02BNN n/l
PID*X**ZZ*PT1*S 2344 n/l
PID*X**ZZ*WB*05800 n/l

# QTY Quantity

| Pos: 185 | Max: 1 |
|---|---|
| Heading - Optional | |
| Loop: PID | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify quantity information

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | QTY01 | 673 | **Quantity Qualifier**<br>**Description:** Code specifying the type of quantity<br>**Code Name**<br>QP Quantity by Position | M | ID | 2/2 | Must use |
| | QTY02 | 380 | **Quantity**<br>**Description:** Numeric value of quantity | C | R | 1/15 | Used |
| | QTY03 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | O | Comp | | Used |
| | QTY03-01 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**Code Name**<br>EA Each<br>GA Gallon | M | ID | 2/2 | Must use |
| | QTY03-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Used |
| | QTY03-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Used |
| * | QTY03-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | QTY03-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | QTY03-07 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | QTY03-08 | 1018 | **Exponent** | O | R | 1/15 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-09 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY03-10 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-11 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-12 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY03-13 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | QTY03-14 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | QTY03-15 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | QTY04 | 61 | **Free-Form Message** | C | AN | 1/30 | Not used |
| | | | **Description:** Free-form information | | | | |

## Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

## Semantics:

1. QTY04 is used when the quantity is non-numeric.

## Trading Partner:

Process Information Examples:
QTY*QP*2*EA n/l
QTY*QP*4*EA n/l
QTY*QP*1*EA n/l
QTY*QP*1*EA n/l
QTY*QP*2*GA n/l
QTY*QP*2*EA n/l
QTY*QP*4*EA n/l
QTY*QP*1*EA n/l
QTY*QP*1*EA n/l
QTY*QP*2*EA n/l
QTY*QP*4*EA n/l
QTY*QP*1*EA n/l
QTY*QP*1*EA n/l

# MEA Measurements

| Pos: 190 | Max: 10 |
|---|---|
| Heading - Optional | |
| Loop: PID | Elements: 10 |

**User Option (Usage):** Used

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

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| * | MEA01 | 737 | **Measurement Reference ID Code**<br>**Description:** Code identifying the broad category to which a measurement applies | O | ID | 2/2 | Not used |
| | MEA02 | 738 | **Measurement Qualifier**<br>**Description:** Code identifying a specific product or process characteristic to which a measurement applies<br>**Code Name**<br>T1 Tire Pressure | O | ID | 1/3 | Used |
| | MEA03 | 739 | **Measurement Value**<br>**Description:** The value of the measurement | C | R | 1/20 | Used |
| | MEA04 | C001 | **Composite Unit of Measure**<br>**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use) | C | Comp | | Used |
| | MEA04-01 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**Code Name**<br>LB Pound | M | ID | 2/2 | Used |
| * | MEA04-02 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | MEA04-03 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | MEA04-04 | 355 | **Unit or Basis for Measurement Code**<br>**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 | Not used |
| * | MEA04-05 | 1018 | **Exponent**<br>**Description:** Power to which a unit is raised | O | R | 1/15 | Not used |
| * | MEA04-06 | 649 | **Multiplier**<br>**Description:** Value to be used as a multiplier to obtain a new value | O | R | 1/10 | Not used |
| * | MEA04-07 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | MEA04-08 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | MEA04-09 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | MEA04-10 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | MEA04-11 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | MEA04-12 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | MEA04-13 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| * | MEA04-14 | 1018 | **Exponent** | O | R | 1/15 | Not used |
| | | | **Description:** Power to which a unit is raised | | | | |
| * | MEA04-15 | 649 | **Multiplier** | O | R | 1/10 | Not used |
| | | | **Description:** Value to be used as a multiplier to obtain a new value | | | | |
| * | MEA05 | 740 | **Range Minimum** | C | R | 1/20 | Not used |
| | | | **Description:** The value specifying the minimum of the measurement range | | | | |
| * | MEA06 | 741 | **Range Maximum** | C | R | 1/20 | Not used |
| | | | **Description:** The value specifying the maximum of the measurement range | | | | |
| * | MEA07 | 935 | **Measurement Significance Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code used to benchmark, qualify or further define a measurement value | | | | |
| * | MEA08 | 936 | **Measurement Attribute Code** | C | ID | 2/2 | Not used |
| | | | **Description:** Code used to express an attribute response when a numeric measurement value cannot be determined | | | | |
| * | MEA09 | 752 | **Surface/Layer/Position Code** | O | ID | 2/2 | Not used |
| | | | **Description:** Code indicating the product surface, layer or position that is being described | | | | |
| * | MEA10 | 1373 | **Measurement Method or Device** | O | ID | 2/4 | Not used |
| | | | **Description:** The method or device used to record the measurement | | | | |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|

## Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

## Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

## Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

## Trading Partner:

Process Information Examples:

MEA**T1*70*LB n/l

MEA**T1*90*LB n/l

MEA**T1*70*LB n/l

MEA**T1*90*LB n/l

# CTT Transaction Totals

| Pos: 195 | Max: 1 |
|---|---|
| Heading - Mandatory | |
| Loop: N/A | Elements: 7 |

**User Option (Usage):** Must use

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

## Element Summary:

| | Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|---|
| | CTT01 | 354 | **Number of Line Items**<br>**Description:** Total number of line items in the transaction set | M | N0 | 1/6 | Used |
| * | CTT02 | 347 | **Hash Total**<br>**Description:** 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 beinghashed..18 Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.---------1855 Hash total prior to truncation.855 Hash total after truncation tothree-digit field. | O | R | 1/10 | Not used |
| * | CTT03 | 81 | **Weight**<br>**Description:** Numeric value of weight | C | R | 1/10 | Not used |
| * | CTT04 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID | 2/2 | Not used |
| * | CTT05 | 183 | **Volume**<br>**Description:** Value of volumetric measure | C | R | 1/8 | Must use |
| * | CTT06 | 355 | **Unit or Basis for Measurement Code**<br>**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID | 2/2 | Not used |
| * | CTT07 | 352 | **Description**<br>**Description:** A free-form description to clarify the related data elements and their content | O | AN | 1/80 | Not used |

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

## Trading Partner:

Production Sequence Example:

CTT*2 n/l

Process Information Example:
CTT*2 n/l

Slotted Order Example:
CTT*6 n/l

Attribute Based Release (ABR) Example:
CTT*3 n/l

Attribute Based Release (ABR) Module/Kit Example:
CTT*1 n/l

# SE Transaction Set Trailer

| Pos: 200 | Max: 1 |
|---|---|
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

**User Option (Usage):** Must use

**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)

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| SE01 | 96 | **Number of Included Segments**<br>**Description:** Total number of segments included in a transaction set including ST and SE segments | M | N0 | 1/10 | Used |
| SE02 | 329 | **Transaction Set Control Number**<br>**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 | Used |

## Comments:

1. SE is the last segment of each transaction set.

## Trading Partner:

Production Sequence Example:
SE*19*0001 n/l

Process Information Example:
SE*71*0001 n/l

Slotted Order Example:
SE*46*0001 n/l

Attribute Based Release (ABR) Example:
SE*31*0001 n/l

Attribute Based Release (ABR) Module/Kit Example:
SE*16*0001 n/l


# International Truck and Engine Corporation

## APPENDIX of EXAMPLES

## August 12, 2005

**NOTE:** This document is to be used in conjunction with the International 866 Implementation Guideline to illustrate examples and functional definition of this transaction set.

## Example of EDI 866 AIAG Formatted Data for Production Sequence

1. ST*866*0001 N/L
2. BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L
3. UIT*PC N/L
4. N1*ST**92*002ASM N/L
5. N1*SU**92*12345X1 N/L
6. REF*DK*K999 N/L
7. DTM*002**0700*ES*D8*19990628 N/L
8. QTY*01*1 N/L
9. REF*LF*1 N/L
10. LIN**JS*001*RS*5676*BP*123456C1*JN*608566*LA*5400*CG*326D N/L
11. LIN**JS*002*RS*5677*BP*123457C1*JN*608567*LA*6352*CG*326D N/L
12. DTM*002**1000*ES*D8*19990628 N/L
13. QTY*01*1 N/L
14. REF*LF*2 N/L
15. LIN**JS*001*RS*6355*BP*125977C91*JN*507399*LA*5400*CG*326D N/L
16. LIN**JS*002*RS*6356*BP*236391C91*JN*507400*LA*6352*CG*326D N/L
17. QTY*01*4 N/L
18. CTT*2 N/L
19. SE*19*0001 N/L

## Example of EDI 866 AIAG Formatted Data for Production Sequence

| EDI DATA ELEMENTS | INTERPRETATION |
|---|---|
| ST*866*0001 N/L | ANSI Transaction set 866 Transaction ID number 0001. |
| BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L | Replacement Document R2617 Dated 6/27/1999, Delivery Based from 6/28/1999 to 7/31/1999, Release Number 002ASM12345X1990627, Actual discrete quantities. |
| UIT*PC N/L | Indicates that Unit of Measure is pieces. |
| N1*ST**92*002ASM N/L | Indicates Ship-to location is Springfield Assembly Plant. |
| N1*SU**92*12345X1 N/L | The Supplier/Manufacture location is International Supplier Code 12345X1. |
| REF*DK*K999 N/L | Indicates the Delivery Dock is K999 at the Assembly Plant. |
| DTM*002**0700*ES*D8*19990628 N/L | Requested delivery date is 6/28/1999. Requested delivery time is 07:00 EST. |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products). |
| REF*LF*1 N/L | Indicates this item used on Assembly Line #1. |
| LIN**JS*001*RS*5676*BP*123456C1*JN*608566*LA*5400*CG*326D N/L | International Part Number is 123456C1, Line Sequence Number 001, Lineset Number 5676, Job Number 608566, Labor Group Number 5400 and Commodity Group 326D. |
| LIN**JS*002*RS*5677*BP*123457C1*JN*608567*LA*6352*CG*326D N/L | International Part Number is 123457C1, Line Sequence Number 002, Lineset Number 5677, Job Number 608567, Labor Group 6352 and Commodity Group 326D. |
| DTM*002**1000*ES*D8*19990628 N/L | Delivery date requested on 6/28/1999. Requested deliver time is 10:00 EST. |
| QTY*01*1 N/L | Ship Discrete Quantity of 1 (each of the following products). |
| REF*LF*2 N/L | Indicates this item used on Assembly Line Number 2. |
| LIN**JS*001*RS*6355*BP*125977C91*JN*507399*LA*5400*CG*326D N/L | International Part Number is 125977C91, Line Sequence Number 001, Lineset Number 6355, Job Number 507399, Labor Group 5400 and Commodity Group 326D. |
| LIN**JS*002*RS*6356*BP*236391C91*JN*507400*LA*6352*CG*326D N/L | International Part Number is 236391C91, Line Sequence Number 002, Lineset Number 6356, Job Number 507400, Labor Group 6352 and Commodity Group 326D. |
| QTY*01*4 N/L | Overrides quantity at DTM Level. |
| CTT*2 N/L | Total Number of DTM Segments is 2. |
| SE*19*0001 N/L | 19 Segments Transmitted in Transaction 0001. |

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level

1. ST*866*0001 N/L
2. BSS*05*R2617P*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L
3. N1*ST**92*002ASM N/L
4. N1*SU**92*12345X1 N/L
5. DTM*002****D8*19990628 N/L
6. REF*LF*1 N/L
7. LIN**JN*507399 N/L
8. REF*QZ*FD0005103001020070220X6 N/L
9. REF*QZ*FD0005103002030070220X6 N/L
10. SLN*J**I N/L
11. PID*X**ZZ*ORD-JOB-POSN*1 N/L
12. PID*X**ZZ*ORD-QTY*10 N/L
13. PID*X**ZZ*AF*01340 N/L
14. PID*X**ZZ*FEATURE-CODE*504615 N/L
15. PID*X**ZZ*FEATURE-CODE*504030 N/L
16. PID*X**ZZ*IP-LOCATION*SW-FOG-LT**S4 N/L
17. PID*X**ZZ*IP-LOCATION*SW-ENG-BK-SEL**S3 N/L
18. PID*X**ZZ*PROP1* 02BNN N/L
19. PID*X**ZZ*PT1*S 2322 N/L
20. PID*X**ZZ*WB*05600 N/L
21. SLN*1**I*8*PC****BP*158120R91 N/L
22. N1*VN**92*69341X3 N/L
23. PID*X**ZZ*TIRE*005A*FR N/L
24. QTY*QP*2*EA N/L
25. PID*X**ZZ*TIRE*005A*BK N/L
26. QTY*QP*4*EA N/L
27. PID*X**ZZ*TIRE*005A*FS N/L
28. QTY*QP*1*EA N/L
29 PID*X**ZZ*TIRE*005A*SS N/L
30. QTY*QP*1*EA N/L
31. SLN*2**I*8*PC****BP*2029546C1 N/L
32. N1*VN**92*43216X1 N/L
33. PID*X**ZZ*TIRE-PAINT*9036 N/L
34. QTY*QP*2*GA N/L
35. PID*X**ZZ*TIRE*594B*FR N/L
36. QTY*QP*2*EA N/L
37. PID*X**ZZ*TIRE*594B*BK N/L
38. QTY*QP*4*EA N/L
39. PID*X**ZZ*TIRE*594B*FS N/L
40. QTY*QP*1*EA N/L
41. PID*X**ZZ*TIRE*594B*SS N/L
42. QTY*QP*1*EA N/L
43. SLN*3**I*8*PC****BP*7332110185 N/L
44. N1*VN**92*34567X1 N/L
45. PID*X**ZZ*TIRE-TYPE*DD N/L
46. PID*X**ZZ*TIRE*556A*FR N/L
47. QTY*QP*2*EA N/L
48. MEA**T1*70*LB N/L
49. PID*X**ZZ*TIRE*556A*BK N/L
50. QTY*QP*4*EA N/L
51. MEA**T1*90*LB N/L
52. PID*X**ZZ*TIRE*556A*FS N/L
53. QTY*QP*1*EA N/L
54. MEA**T1*70*LB N/L

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level - Continued

55. PID*X**ZZ*TIRE*556A*SS N/L
56. QTY*QP*1*EA N/L
57. MEA**T1*90*LB N/L
58. DTM*002****D8*19990628 N/L
59. REF*LF*2 N/L
60. LIN**JN*507400 N/L
61. REF*QZ*FD000510300701007022OX6 N/L
62. REF*QZ*FD000510300903007022OX6 N/L
63. SLN*J**I N/L
64. PID*X**ZZ*ORD-JOB-POSN*1 N/L
65. PID*X**ZZ*ORD-QTY*10 N/L
66. PID*X**ZZ*AF*01540 N/L
67. PID*X**ZZ*PROP1* 02BNN N/L
68. PID*X**ZZ*PT1*S 2344 N/L
69. PID*X**ZZ*WB*05800 N/L
70. CTT*2 N/L
71. SE*71*0001 N/L

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level

| EDI DATA ELEMENT | INTERPRETATION |
|---|---|
| ST*866*0001 N/L | ANSI transaction set 866, transaction ID Number 0001. |
| BSS*05*R2617P*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L | Replacement Document R2617P, Dated 6/27/1999, Delivery Based Forecast from 6/28/1999 to 7/31/1999, Release Number 002ASM12345X1990627, Actual Discreet Quantities . |
| N1*ST**92*002ASM N/L | The ship-to-location is Springfield Assembly Plant. |
| N1*SU**92*12345X1 N/L | The Supplier/Manufacture location is International Supplier Code 12345X1. |
| DTM*002****D8*19990628 N/L | Delivery requested on 6/28/1999. |
| REF*LF*1 N/L | Assembly Line number is 1. |
| LIN**JN*507399 N/L | Job Number is 507399. |
| REF*QZ*FD000510300102007022OX6 N/L | Related Assembly Drawing Number is FD000510300102007022OX6. |
| REF*QZ*FD000510300203007022OX6 N/L | Related Assembly Drawing Number is FD000510300203007022OX6. |
| SLN*J**I N/L | This SLN is used communicate Job Level Process Information. |
| PID*X**ZZ*ORD-JOB-POSN*1 N/L | Position of the job within the order. Job position is the 1st truck. |
| PID*X**ZZ*ORD-QTY*10 N/L | Order quantity is an order of 10. |
| PID*X**ZZ*AF*01340 N/L | Dim from cntr of rear axle to frame end (AfterFrame) value is 0134.0 related to Job 507399. |
| PID*X**ZZ*FEATURE-CODE*504615 N/L | Feature Code value is “504615”. |
| PID*X**ZZ*FEATURE-CODE*504030 N/L | Feature Code value is “504030”. |
| PID*X**ZZ*IP-LOCATION*SW-FOG-LT**S4 N/L | Instrument Panel Switch Information value: Type is “SW-FOG-LT” in location “S4” |
| PID*X**ZZ*IP-LOCATION*SW-ENG-BK-SEL**S3 N/L | Instrument Panel Switch Information value: Type is “SW-ENG-BK-SEL” in location “S3” |
| PID*X**ZZ*PROP1* 02BNN N/L | Propshaft position 1 value is “ 02BNN”. |
| PID*X**ZZ*PT1*S 2322 N/L | Position 1 paint code value is “S 2322 “. |
| PID*X**ZZ*WB*05600 N/L | Dim from center of front and rear axles (Wheelbase) value is 0560.0. |

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level - Continued

| EDI DATA ELEMENT | INTERPRETATION |
|---|---|
| SLN*1**I*8*PC****BP*158120R91 N/L | Assigned identification 1, subline item detail is included with line item, quantity of 8, unit of measure is piece, buyers part number is 158120R91. |
| N1*VN**92*69341X3 N/L | Vendor code is 69341X3. |
| PID*X**ZZ*TIRE*005A*FR N/L | Part Level Process Information International Commodity Code 005A for front valve stem. |
| QTY*QP*2*EA N/L | Requires two valve stems for the front. |
| PID*X**ZZ*TIRE*005A*BK N/L | Part Level Process Information International Commodity code 005A for rear valve stem. |
| QTY*QP*4*EA N/L | Requires four valve stems for the rear. |
| PID*X**ZZ*TIRE*005A*FS N/L | Part Level Process Information International Commodity Code 005A for front spare valve stem. |
| QTY*QP*1*EA N/L | Requires one valve stem for front spare. |
| PID*X**ZZ*TIRE*005A*SS N/L | Part Level Process Information International Commodity Code 594A for rear spare valve stem. |
| QTY*QP*1*EA N/L | Requires one valve stem for rear spare. |
| SLN*2**I*8*PC****BP*2029546C1 N/L | Assigned identification 2, sub-line item detail is included with line item, quantity of 8, unit of measure is piece, buyers part number is 2029546C1. |
| N1*VN**92*43216X1 N/L | Vendor code is 43216X1. |
| PID*X**ZZ*TIRE-PAINT*9036 N/L | Paint color is 9036 for part number 2029546C1. |
| QTY*QP*2*GA N/L | Requires two gallons of color 9036. |
| PID*X**ZZ*TIRE*594B*FR N/L | Part Level Process Information International Commodity Code 594B for front rims. |
| QTY*QP*2*EA N/L | Requires two rims for front. |
| PID*X**ZZ*TIRE*594B*BK N/L | Part Level Process Information International commodity code 594B for rear rims. |
| QTY*QP*4*EA N/L | Requires four rims for rear. |
| PID*X**ZZ*TIRE*594B*FS N/L | Part Level Process Information International Commodity Code 594B for front spare rim. |
| QTY*QP*1*EA N/L | Requires one rim for front spare. |

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level - Continued

| EDI DATA ELEMENT | INTERPRETATION |
|---|---|
| PID*X**ZZ*TIRE*594B*SS N/L | Part Level Process Information International Commodity Code 594B for rear spare rim. |
| QTY*QP*1*EA N/L | Requires one rim for rear spare. |
| SLN*3**I*8*PC****BP*7332110185 N/L | Assigned Identification 3, subline item, quantity of eight, unit of measure is piece, buyers part number is 7332110185. |
| N1*VN**92*34567X1 N/L | Vendor code is 34567X1. |
| PID*X**ZZ*TIRE-TYPE*DD N/L | Part Level Process Information International requires directional tires. |
| PID*X**ZZ*TIRE*556A*FR N/L | Part Level Process Information International Commodity Code 556A for front tire. |
| QTY*QP*2*EA N/L | Requires two tires for front. |
| MEA**T1*70*LB N/L | Front tires require 70 lbs of pressure. |
| PID*X**ZZ*TIRE*556A*BK N/L | Part Level Process Information International Commodity Code 556A for rear tire. |
| QTY*QP*4*EA N/L | Requires four tires for rear. |
| MEA**T1*90*LB N/L | Rear tires require 90 lbs of pressure. |
| PID*X**ZZ*TIRE*556A*FS N/L | Part Level Process Information International Commodity Code 556A for front spare tire. |
| QTY*QP*1*EA N/L | Requires one tire for front spare. |
| MEA**T1*70*LB N/L | Front spare tire requires 70 lbs of pressure. |
| PID*X**ZZ*TIRE*556A*SS N/L | Part Level Process Information International Commodity Code 556A for rear spare tire. |
| QTY*QP*1*EA N/L | Requires one tire for rear spare. |
| MEA**T1*90*LB N/L | Rear spare tire requires 90 lbs of pressure. |
| DTM*002****D8*19990628 N/L | Delivery requested on 6/28/1999. |
| REF*LF*2 N/L | Assembly Line number is 2. |
| LIN**JN*507400 N/L | Job Number is 507400. |
| REF*QZ*FD0005103007010070220X6 N/L | Related Assembly Drawing Number is FD0005103007010070220X6. |
| REF*QZ*FD0005103009030070220X6 N/L | Related Assembly Drawing Number is FD0005103009030070220X6. |

## Example of EDI 866 AIAG Formatted Data for Process Data at a Job Level – Continued

| EDI DATA ELEMENT | INTERPRETATION |
|---|---|
| SLN*J**I N/L | The SLN information segment is used to link the general process information to the Job within the LIN. |
| PID*X**ZZ*ORD-JOB-POSN*1N/L | Position of the job within the order. Job position is the 1st truck. |
| PID*X**ZZ*ORD-QTY*10N/L | Order quantity is an order of 10. |
| PID*X**ZZ*AF*01540 N/L | Dim from cntr of rear axle to frame end (AfterFrame) value is 0154.0 related to Job 507400. |
| PID*X**ZZ*PROP1* 02BNN N/L | Propshaft position 1 value is " 02BNN". |
| PID*X**ZZ*PT1*S 2344 N/L | Position 1 paint code value is "S 2344 ". |
| PID*X**ZZ*WB*05800 N/L | Dim from center of front and rear axles (Wheelbase) value is 0580.0. |
| CTT*2 N/L | Control total 2 DTM segment. |
| SE*71*0001 N/L | 71 segments transmitted in transaction 0001. |

## Example of EDI 866 AIAG Formatted Data for Slotted Orders

1. ST*866*0001 N/L
2. BSS*05*R2617S*19990527*PD*19990528*19991130*002ASM12345X1990527****A N/L
3. N1*ST**92*002ASM N/L
4. N1*SU**92*12345X1 N/L
5. DTM*579****RD8*19990528-19991130 N/L
6. LIN**C4*1*GQ*C*PU*5BA9427 N/L
7. QTY*01*6 N/L
8. SLN*1**I*1*PC****BP*1R1 N/L
9. SLN*2**I*1*PC****BP*2R1 N/L
10. SLN*3**I*1*PC****BP*3R1 N/L
11. SLN*4**I*1*PC****BP*4R1 N/L
12. LIN**C4*2*GQ*C*PU*A07DCE49 N/L
13. QTY*01*2 N/L
14. SLN*1**I*1*PC****BP*1R2 N/L
15. SLN*2**I*1*PC****BP*2R2 N/L
16. SLN*3**I*1*PC****BP*3R2 N/L
17. SLN*4**I*1*PC****BP*4R2 N/L
18. LIN**C4*3*GQ*C*PU*252DBEAF N/L
19. QTY*01*1 N/L
20. SLN*1**I*1*PC****BP*1R2 N/L
21. SLN*2**I*1*PC****BP*2R1 N/L
22. SLN*3**I*1*PC****BP*3R2 N/L
23. SLN*4**I*1*PC****BP*4R1 N/L
24. LIN**C4*4*GQ*I PU*F8E18265 N/L
25. QTY*01*1 N/L
26. SLN*1**I*1*PC****BP*1R1 N/L
27. SLN*2**I*1*PC****BP*2R1 N/L
28. SLN*3**I*1*PC****BP*3R1 N/L
29. DTM*579****RD8*19990709-19990715 N/L
30. LIN**JN*000345*C4*1 N/L
31. DTM*579****RD8*19990806-19990812 N/L
32. LIN**JN*000346*C4*1 N/L
33. LIN**JN*000490*C4*1 N/L
34. LIN**JN*000487*C4*2 N/L
35. QTY*01*2 N/L
36. DTM*579****RD8*19990820-19990831 N/L
37. LIN**JN*000552*C4*1 N/L
38. LIN**JN*000601*C4*2 N/L
39. DTM*579****RD8*19990901-19990930 N/L
40. LIN**JN*000612*C4*1 N/L
41. LIN**JN*000780*C4*3 N/L
42. DTM*579****RD8*19991101-19991130 N/L
43. LIN**JN*000815*C4*1 N/L
44. LIN**JN*000933*C4*4 N/L
45. CTT*6 N/L
46. SE*46*0001 N/L

## Example of EDI 866 AIAG Formatted Data for Slotted Orders

The following example shows six months of requirements, excluding the jobs contained on the daily Production Sequenced 866. Four separate configurations with the appropriate part numbers are defined. Followed by weekly requirements, International job numbers and quantities of the configuration.

| EDI DATA ELEMENTS | INTERPRETATION |
|---|---|
| ST*866*0001 N/L | ANSI transaction set 866, transaction ID Number 0001. |
| BSS*05*R2617S*19990527*PD*19990528*19991130 *002ASM12345X1990527****A N/L | Replacement Document R2617S, Dated 5/27/1999, Planned Delivery Based from 5/28/1999 to 11/30/1999, Release Number 002ASM12345X1990527, Actual Discreet Quantities. |
| N1*ST**92*002ASM N/L | Indicates Ship-To Location is Springfield Assembly Plant. |
| N1*SU**92*12345X1 N/L | The Supplier/Manufacture location in International supplier code 12345X1. |
| DTM*579****RD8*19990528-19991130 N/L | Planning Horizon from 5/28/1999 through 11/30/1999. |
| LIN**C4*1*GQ*C*PU*5BA942A7 N/L | Configuration 1 is complete with assigned Module Reference Number 5BA942A7. |
| QTY*01*6 N/L | Discrete Quantity of 6 (of following configuration). |
| SLN*1**I*1*PC****BP*1R1 N/L | One piece of part number 1R1 is included in Configuration 1. |
| SLN*2**I*1*PC****BP*2R1 N/L | One piece of part number 2R1 is included in Configuration 1. |
| SLN*3**I*1*PC****BP*3R1 N/L | One piece of part number 3R1 is included in Configuration 1. |
| SLN*4**I*1*PC****BP*4R1 N/L | One piece of part number 4R1 is included in Configuration 1. |
| LIN**C4*2*GQ*C*PU*A07DCE49 N/L | Configuration 2 is complete with assigned Module Reference Number A07DCE49. |
| QTY*01*2 N/L | Discrete Quantity of 2 (of following configuration). |
| SLN*1**I*1*PC****BP*1R2 N/L | One piece of part number 1R2 is included in Configuration 2. |
| SLN*2**I*1*PC****BP*2R2 N/L | One piece of part number 2R2 is included in Configuration 2. |
| SLN*3**I*1*PC****BP*3R2 N/L | One piece of part number 3R2 is included in Configuration 2. |
| SLN*4**I*1*PC****BP*4R2 N/L | One piece of part number 4R2 is included in Configuration 2. |
| LIN**C4*3*GQ*C*PU*252DBEAF N/L | Configuration 3 is complete with assigned Module Reference Number 252DBEAF. |
| QTY*01*1 N/L | Discrete Quantity of 1 (of following configuration). |
| SLN*1**I*1*PC****BP*1R2 N/L | One piece of part number 1R2 is included in Configuration 3. |
| SLN*2**I*1*PC****BP*2R1 N/L | One piece of part number 2R1 is included in Configuration 3. |
| SLN*3**I*1*PC****BP*3R2 N/L | One piece of part number 3R2 is included in Configuration 3. |
| SLN*4**I*1*PC****BP*4R1 N/L | One piece of part number 4R1 is included in Configuration 3. |

## Example of EDI 866 AIAG Formatted Data for Slotted Orders - Continued

| EDI DATA ELEMENTS | INTERPRETATION |
|---|---|
| LIN**C4*4*GQ*I *PU*F8E18265 N/L | Configuration 4 is incomplete with assigned Module Reference Number F8E18265. |
| QTY*01*1 N/L | Discrete Quantity of 1 (of following configuration). |
| SLN*1**I*1*PC****BP*1R1 N/L | One piece of part number 1R1 is included in Configuration 4. |
| SLN*2**I*1*PC****BP*2R1 N/L | One piece of part number 2R1 is included in Configuration 4. |
| SLN*3**I*1*PC****BP*3R1 N/L | One piece of part number 3R1 is included in Configuration 4. |
| DTM*579****RD8*19990709-19990715 N/L | Planning Horizon from 7/09/1999 through 7/15/1999. |
| LIN**JN*000345*C4*1 N/L | Job number 345 uses Configuration #1. |
| DTM*579****RD8*19990806-19990812 N/L | Planning Horizon from 8/06/1999 through 8/12/1999. |
| LIN**JN*000346*C4*1 N/L | Job number 346 uses Configuration #1. |
| LIN**JN*000490*C4*1 N/L | Job number 490 uses Configuration #1. |
| LIN**JN*000487*C4*2 N/L | Job number 487 uses Configuration #2. |
| QTY*01*2 N/L | Discrete Quantity of 2 for Configuration 2 for Job 487. |
| DTM*579****RD8*19990820-19990831 N/L | Planning Horizon from 8/20/1999 through 8/31/1999. |
| LIN**JN*000552*C4*1 N/L | Job number 552 uses Configuration #1. |
| LIN**JN*601*C4*2 N/L | Job number 601 uses Configuration #2. |
| DTM*579****RD8*19990901-19990930 N/L | Planning Horizon from 9/01/1999 through 9/30/1999. |
| LIN**JN*000612*C4*1 N/L | Job number 612 uses Configuration #1. |
| LIN**JN*000780*C4*3 N/L | Job number 780 uses Configuration #3. |
| DTM*579****RD8*19991101-19991130 N/L | Planning Horizon from 11/01/1999 through 11/30/1999. |
| LIN**JN*000815*C4*1 N/L | Job number 815 uses Configuration #1. |
| LIN**JN*000933*C4*4 N/L | Job number 933 uses Configuration #4. |
| CTT*6 N/L | Total Number of DTM Segments are 6. |
| SE*46*0001 N/L | 46 Segments Transmitted in Transaction 0001. |

## Example of EDI 866 AIAG Formatted Data for Attribute Based Release (ABR) Sequenced Material

1. ST*866*0001 N/L
2. BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L
3. UIT*PC N/L
4. N1*ST**92*002ASM N/L
5. N1*SU**92*12345X1 N/L
6. REF*DK*K999 N/L
7. DTM*002**0700*ES*D8*19990628 N/L
8. QTY*01*1 N/L
9. REF*LF*1 N/L
10. LIN**JS*001*RS*5676*PU*6DBB1D8C*JN*608566 N/L
11. LIN**JS*001*RS*5676*BP*1234567F91*JN*608566*LA*5400*CG*326D N/L
12. LIN**JS*001*RS*5676*BP*1234578F91*JN*608566*LA*5400 *CG*326D N/L
13. LIN**JS*001*RS*5676*BP*1234579F91*JN*608566*LA*5400 *CG*326D N/L
14. QTY*01*4 N/L
15. DTM*002**1000*ES*D8*19990629 N/L
16. QTY*01*1 N/L
17. REF*LF*1 N/L
18. LIN**JS*002*RS*5677*PU*8BC20C86*JN*608569 N/L
19. LIN**JS*002*RS*5676*BP*1234590F91*JN*608569*LA*5400 *CG*326D N/L
20. QTY*01*2 N/L
21. LIN**JS*002*RS*5676*BP*1234501F91*JN*608569*LA*5400 *CG*326D N/L
22. LIN**JS*002*RS*5676*BP*1234602F91*JN*608569*LA*5400 *CG*326D N/L
23. DTM*002**1000*ES*D8*19990628 N/L
24. QTY*01*1 N/L
25. REF*LF*2 N/L
26. LIN**JS*001*RS*5755*PU*2FF21A2C*JN*608541 N/L
27. LIN**JS*001*RS*5755*BP*3545450F91*JN*608541*LA*6352 *CG*175A N/L
28. LIN**JS*001*RS*5755*BP*3545701F91*JN*608541*LA*6352 *CG*175A N/L
29. QTY*01*2 N/L
30. CTT*3 N/L
31. SE*31*0001 N/L

## Example of EDI 866 AIAG Formatted Data for Attribute Based Release (ABR) Sequenced Material

| EDI DATA ELEMENTS | EXPLANATION |
|---|---|
| ST*866*0001 N/L | ANSI transaction set 866, transaction ID Number 0001 |
| BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L | Replacement Document R2617, Dated 6/27/1999, Delivery Based Horizon from 6/28/1999 to 7/31/1999, Release Number 002ASM12345X1990627, Actual Discreet Quantities |
| UIT*PC N/L | Indicates that Unit of Measure is pieces. |
| N1*ST**92*002ASM N/L | Indicates Ship-to location is Springfield Assembly Plant. |
| N1*SU**92*12345X1 N/L | The INTERNATIONAL Supplier Code 12345X1. |
| REF*DK*K999 N/L | Indicates the Delivery Dock is K999 at the Assembly Plant |
| DTM*002**0700*ES*D8*19990628 N/L | Requested delivery date is 6/28/1999. Requested delivery time is 07:00 EST |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products) unless otherwise stipulated at the LIN level. |
| REF*LF*1 N/L | Indicates this item used on Assembly Line #1. |
| LIN**JS*001*RS*5676*PU*6DBB1D8C*JN*608566 N/L | All discrete part numbers referencing Line Sequence Number 001, Lineset Number 5676, can be referenced by INTERNATIONAL MRN 6DBB1D8C, within Job Number 608566. |
| LIN**JS*001*RS*5676*BP*1234567F91*JN*608566*LA*5400*CG*326D N/L | Line Sequence Number 001, Lineset Number 5676, INTERNATIONAL Part Number is 1234567F91, Job Number 608566, Labor Group 5400 and Commodity Group 326D. |
| LIN**JS*001*RS*5676*BP*1234578F91*JN*608566*LA*5400 *CG*326D N/L | Line Sequence Number 001, Lineset Number 5676, INTERNATIONAL Part Number is 1234578F91, Job Number 608566, Labor Group 5400 and Commodity Group 326D. |
| LIN**JS*001*RS*5676*BP*1234579F91*JN*608566*LA*5400 *CG*326D N/L | Line Sequence Number 001, Lineset Number 5676, INTERNATIONAL Part Number is 1234579F91, Job Number 608566, Labor Group 5400 and Commodity Group 326D. |
| QTY*01*4 N/L | Overrides quantity at DTM Level. |
| DTM*002**1000*ES*D8*19990629 N/L | Delivery date requested on 6/29/1999. Delivery time is 10:00 EST |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products) unless otherwise stipulated at the LIN level. |
| REF*LF*1 N/L | Indicates this item used on Assembly Line #1. |
| LIN**JS*002*RS*5677*PU*8BC20C86*JN*608569 N/L | All discrete part numbers referencing Line Sequence Number 002, Lineset Number 5677, can be referenced by INTERNATIONAL MRN 8BC20C86, within Job Number 608569. |
| LIN**JS*002*RS*5676*BP*1234590F91*JN*608569*LA*5400 *CG*326D N/L | Line Sequence Number 002, Lineset Number 5677, INTERNATIONAL Part Number is 1234580F91, Job Number 608569, Labor Group 5400 and Commodity Group 326D. |
| QTY*01*2 N/L | Overrides quantity at DTM Level. |
| LIN**JS*002*RS*5676*BP*1234501F91*JN*608569*LA*5400 *CG*326D N/L | Line Sequence Number 002, Lineset Number 5677, INTERNATIONAL Part Number is 1234501F91, Job Number 608569, Labor Group 5400 and Commodity Group 326D. |

| | |
|---|---|
| LIN**JS*002*RS*5676*BP*1234602F91*JN*608569*LA*5400 *CG*326D N/L | Line Sequence Number 002, Lineset Number 5677, INTERNATIONAL Part Number is 1234602F91, Job Number 608569, Labor Group 5400 and Commodity Group 326D. |
| DTM*002**1000*ES*D8*19990628 N/L | Delivery date requested on 6/28/1999. Delivery time is 10:00 EST |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products) unless otherwise stipulated at the LIN level. |
| REF*LF*2 N/L | Indicates this item used on Assembly Line #2. |
| LIN**JS*001*RS*5755*PU*2FF21A2C*JN*608541 N/L | All discrete part numbers referencing Line Sequence Number 002, Lineset Number 5755, can be referenced by INTERNATIONAL MRN 2FF21A2C, within Job Number 608541. |
| LIN**JS*001*RS*5755*BP*3545450F91*JN*608541*LA*6352 *CG*175A N/L | Line Sequence Number 001, Lineset Number 5755, INTERNATIONAL Part Number is 3545450F91, Job Number 608541, Labor Group 6352 and Commodity Group 175A. |
| LIN**JS*001*RS*5755*BP*3545701F91*JN*608541*LA*6352 *CG*175A N/L | Line Sequence Number 001, Lineset Number 5755, INTERNATIONAL Part Number is 3545701F91, Job Number 608541, Labor Group 6352 and Commodity Group 175A. |
| QTY*01*2 N/L | Overrides quantity at DTM Level. |
| CTT*3 N/L | Total Number of DTM Seqments is 3. |
| SE*31*0001 N/L | 31 Segments Transmitted in Transaction 0001. |

## Example of EDI 866 AIAG Formatted Data for Attribute Based Release (ABR) for Modules/Kits

1. ST*866*0001 N/L
2. BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L
3. UIT*PC N/L
4. N1*ST**92*002ASM N/L
5. N1*SU**92*12345X1 N/L
6. REF*DK*K999 N/L
7. DTM*002**0700*ES*D8*19990628 N/L
8. QTY*01*1 N/L
9. REF*LF*1 N/L
10. LIN**JS*001*RS*5101*PU*914C7753*JN*508665 N/L
11. LIN**JS*001*RS*5101*BP*1234567C91*JN*508665*LA*5400*CG*326D N/L
12. LIN**JS*001*RS*5101*BP*3521452C91*JN*508665*LA*5400 *CG*326D N/L
13. LIN**JS*001*RS*5101*BP*3522422C1*JN*508665*LA*5400 *CG*326D N/L
14 QTY*01*4 N/L
15. CTT*1 N/L
16. SE*16*0001 N/L

## Example of EDI 866 AIAG Formatted Data for Attribute Based Release (ABR) for Modules/Kits

| | |
|---|---|
| ST*866*0001 N/L | ANSI transaction set 866, transaction ID Number 0001 |
| BSS*05*R2617*19990627*DL*19990628*19990731*002ASM12345X1990627****A N/L | Replacement Document R2617, Dated 6/27/1999, Delivery Based Horizon from 6/28/1999 to 7/31/1999, Release Number 002ASM12345X1990627, Actual Discreet Quantities |
| UIT*PC N/L | Indicates that Unit of Measure is pieces. |
| N1*ST**92*002ASM N/L | Indicates Ship-to location is Springfield Assembly Plant. |
| N1*SU**92*12345X1 N/L | The INTERNATIONAL Supplier Code 12345X1. |
| REF*DK*K999 N/L | Indicates the Delivery Dock is K999 at the Assembly Plant |
| DTM*002**0700*ES*D8*19990628 N/L | Requested delivery date is 6/28/1999. Requested delivery time is 07:00 EST |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products) unless otherwise stipulated at the LIN level. |
| REF*LF*1 N/L | Indicates this item used on Assembly Line #1. |
| LIN**JS*001*RS*5101*PU*914C7753*JN*508665 N/L | All discrete part numbers referencing Line Sequence Number 001, Lineset Number 5101, can be referenced by INTERNATIONAL MRN 914C7753, within Job Number 508665. |
| LIN**JS*001*RS*5101*BP*1234567C91*JN*508665*LA*5400*CG*326D N/L | Line Sequence Number 001, Lineset Number 5101, INTERNATIONAL Part Number is 1234567F91, Job Number 508665, Labor Group 5400 and Commodity Group 326D. |
| LIN**JS*001*RS*5101*BP*3521452C91*JN*508665*LA*5400*CG*326D N/L | Line Sequence Number 001, Lineset Number 5101, INTERNATIONAL Part Number is 3521452C91, Job Number 508665, Labor Group 5400 and Commodity Group 326D. |
| LIN**JS*001*RS*5101*BP*3522422C1*JN*508665*LA*5400*CG*326D N/L | Line Sequence Number 001, Lineset Number 5101, INTERNATIONAL Part Number is 3522422C1, Job Number 508665, Labor Group 5400 and Commodity Group 326D. |
| QTY*01*4 N/L | Overrides quantity at DTM Level. |
| CTT*1 N/L | Total Number of DTM Seqments is 1. |
| SE*16*0001 N/L | 16 Segments Transmitted in Transaction 0001. |

## Example of EDI 866 AIAG Formatted Data - ABR PRODUCTION SEQUENCE (Plant 016 & 044)

| EDI DATA ELEMENT | EXPLANATION |
|---|---|
| ST*866*0001 N/L | ANSI transaction set 866, transaction ID Number 0001 |
| BSS*05*100004899*20220104*DL*20220128*20220428*STXM01234520220104****A N/L | Replacement Document 100004899 Dated 1/4/2022 Delivery Based Horizon from 1/28/2022 to 4/28/2022, Release Number STXM01234520220104, Actual discrete quantities. |
| UIT*PC N/L | Indicates that Unit of Measure is pieces. |
| N1*ST**92*STXM01 N/L | Indicates Ship-to location is San Antonio Assembly Plant. |
| N1*SU**92*12345X1 N/L | The Navistar Supplier Code 12345X1. |
| DTM*002*20220128***D8*20220128 N/L | Requested delivery date is 1/28/2022. |
| QTY*01*1 N/L | Discrete Quantity of 1 (each of following products) unless otherwise stipulated at the LIN level. |
| LIN**JS*1*RS***AOR196513***PU*10000002 | Job Sequence 1, Assembly Order AOR |
| 100000028*JN*252658*AO***252658-001-0105***C4***ST1-RAD-MED** N/L | 196513, MRN 100000028, job 252658, Production Sequence 252658-001-0105, Purchase configured item, ST1-RAD-MED |
| LIN**JS*1*RS***AOR196513***BP*3801427F | Job Sequence 1, Assembly Order AOR |
| 91*JN*252658*LA*ETS02*CG*12400 N/L | 196513, Part number 3801427F91, job Number 252658, Labor Group ETS02, Commodity Group 12400 |
| LIN**JS*1*RS***AOR196513***BP*4158356F | Job Sequence 1, Assembly Order AOR |
| 92*JN*252658*LA*ETS02*CG*12400 N/L | 196513, Part number 4158356F92, job Number 252658, Labor Group ETS02, Commodity Group 12400 |

NOTE: Plant 016 and 044 866 files feature 2 new segments, Production Sequence Number (PSN) and Purchase Configured Item (PCI)
NOTE 2: Job sequence number has no leading zeroes, lineset number is Assembly Order Number (AOR), MRNs will be all numeric