

**Purchase Order Message**  
**Message Implementation Guideline**  
**for the Australian Hardware Industry**  
*(Based on the EANCOM 1997 Guideline using*  
*UN/EDIFACT Directory D.96A)*

**A Hardware Industry B2B E-Commerce Initiative**

***Implementation v1.0***

*April 2003*

## 1. Contacts

This EDI Message Implementation Guidelines (MIG) should be read in conjunction with any appropriate terms and conditions of trade between trading partners in the Hardware Industry.

This EDI MIG is based on EAN International's EANCOM® 1997 Guideline using UN/EDIFACT Directory D.96A. For any information regarding EANCOM® or this MIG, please contact:

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This EDI MIG has been developed as part of the Hardware Industry B2B E-Commerce Project facilitated in 2001/2002 by Tradegate ECA and in 2003 by BizEvolution.

HIWG (Hardware Industry Working Group) members 2001 – 2003 have include the following organisations:

|  |  |
|--|--|
| • Bunnings Building Supplies   | • Mitre 10 Australia                       |
| • Dewalt Industrial Powertool Company                                      | • National Building Suppliers Group (NBSG) |
| • Floriana   | • Orica Consumer Products / Dulux          |
| • James Hardie Asia/Pacific  | • SPL Group                                |
| • John Danks & Son   | • woodlogic, a Carter Holt Harvey business |
| • Master Plumbers' & Mechanical Services Association of Australia (MPMSAA) |  |

Input was also received from the three HIWG subgroups for Greenlife, Timber and Plumbing.

## 2. Disclaimer

Every possible effort has been made to ensure that the information and specifications in this document are correct, however the Hardware Industry Working Group, Tradegate ECA, BizEvolution and EAN Australia expressly disclaim liability for any errors. In addition, no warranty or representation is made that this document will not require modification due to developments in new business practice, technology, changes, omissions or additions.

### 3. Change Control

Listed below are the changes that have been applied to the previous version (Pilot v1.1) to create this version; Implementation v1.0 April 2003.

| Pos.        | Section Modified             | Nature of Change/Comments   | Source/reason                           |
|-------------|------------------------------|---|---|
| -           | Preamble                     | Addition of sections 5, 7 & 8 including the ordering of kit assemblies.   | Requested for education / clarification |
| -           | Message level business rules | Use item identifiers at the packaging level at which order is being placed. Also that the Direct To Store (DTS) order can be effected by either naming the receiving store in the header or multiple receiving stores in the detail LOC loop. | Requested by MIG subgroup               |
| 0020        | BGM.C002.3055 code 9         | Note added to code  | Clarification                           |
| 0030        | DTM.C507.2005 code 137       | Note amended to say code is "Required"  | Clarification                           |
| 0070 & 1080 | FTX segment notes            | Remove Dependency notes as there are no Dependent data elements used in the segment in this MIG.  | Clarification                           |
| 0090        | RFF.C506.1153                | Code UC added   | Retail alignment                        |
| 0120        | NAD.3035                     | Notes on codes BY and ST amended  | Clarify usage                           |
| 0120        | NAD                          | Segment notes amended to show how ST-ship works   | Clarify usage                           |
| 0120        | NAD.3035                     | Codes BY & SU noted that both are Required as the Buyer and Supplier must be present in every PO message  | Clarify usage                           |
| 0130        | LOC segment notes            | Note added to say this segment is usually not used on a Direct To Store (DTS) order   | Clarify usage                           |
| 0160        | RFF.C506.1153 code IA        | Note added  | Clarification                           |
| 0220        | CTA.3139 code OC             | Note amended  | Clarify usage                           |
| 0220        | CTA.3139                     | Code PD added   | Retail alignment                        |
| 0230        | COM.C076.3155 code TE        | Note on code amended  | Clarify usage                           |
| 0230        | COM.C076.3155                | Code ZZZ added  | Retail alignment                        |
| 0480        | PCI grp13                    | Change status from Dependent to Optional  | Clarify usage                           |
| 0940        | LIN.C212.7143                | Code UP deleted, code EN note added   | Retail alignment                        |
| 0940        | LIN.C829 and 5495, 1082      | Opened up to be used by timber industry, with added note that it may be used for ordering kit assemblies  | Timber subgroup                         |
| 0950        | PIA.4347                     | Code 9 – no substitution, added   | Timber subgroup                         |
| 0960        | IMD.7077                     | Opened up as Optional to distinguish between free text and coded item descriptions/attribute data.  | Clarification                           |
| 0960        | IMD.C273.7009                | Added codes to enable kit assembly ordering   | Timber subgroup                         |
| 0960        | IMD.7081                     | Added codes to enable listing of sub kit assembly component attributes  | Timber subgroup                         |
| 0970        | MEA                          | Segment notes amended   | Clarification                           |
| 0970        | MEA.C174.6314                | Remove redundant note   | Clarification                           |
| 0970        | MEA.C502.6313                | Add codes LN, AAW, AAX, WD and TH   | Timber subgroup                         |
| 0970        | MEA.C174.6411                | Amend Unit of Measure (UOM) code list to standard set of codes to be used throughout  | Clarification                           |
| 0970        | MEA                          | Added segments notes explaining the use of this segment for the piece length in a cut to length pack  | Clarification                           |
| 0980        | QTY.C186.6063 code 145       | Note amended (typo) and old reference to Franklins removed  | Clarification                           |
| 0980        | QTY.C186.6411                | Amend Unit of Measure (UOM) code list to  | Clarification                           |

|      |                                    |   |                  |
|------|------------------------------------|---|------------------|
|      |                                    | standard set of codes to be used throughout   |                  |
| 0980 | QTY.C186.6411                      | Changed from Dependent to Optional  | Clarify usage    |
| 1080 | FTX.4451                           | Code PRD added  | Retail alignment |
| 1080 | FTX.C108                           | Changed from Dependent to Required  | Correction       |
| 1190 | PRI.C509.5125 codes<br>AAA and NTP | Amended notes   | Clarification    |
| 1190 | PRI.C509.5118                      | Added note  | Clarification    |
| 1190 | PRI.C509.5387                      | Code AAL added  | Retail alignment |
| 1190 | PRI.C509.6411                      | Amend Unit of Measure (UOM) code list to<br>standard set of codes to be used throughout | Clarification    |
| 1190 | PRI.C509                           | Data elements 5284 and 6411 changed from<br>Dependent to Optional                       | Clarify usage    |
| 1190 | PRI.C509.5387                      | Amend notes on codes CU and TU  | Clarification    |
| 1250 | RFF.C506.1153                      | Code SE added for timber pack serial numbers  | Timber subgroup  |
| 1250 | RFF.C506.1153                      | Amended note on code SE   | Timber subgroup  |
| 1280 | PAC                                | Segment level notes amended   | Clarification    |
| 1420 | QTY.C186.6411                      | Amend Unit of Measure (UOM) code list to<br>standard set of codes to be used throughout | Clarification    |
| 1450 | TAX.C241 and 5153                  | Opened up for use to nominate GST as tax type   | Clarify usage    |
| 1450 | TAX.C243.5278                      | Remove redundant note   | Clarify usage    |
| 2100 | MOA.C516.5025                      | Added code 128 for net total amount ex GST  | Clarify usage    |
| 2100 | MOA.C516.5025                      | Added note to code 86 for net total amount incl.<br>GST                                 | Clarify usage    |
| 2100 | MOA.C516.5004                      | Added note to explain relationship between line<br>extended amounts and total amount    | Clarify usage    |

#### 4. Data Content and Structure

Purchase orders types: blanket, call-off, stand alone, manufacturer raised and cross dock. Also used to cancel a previously placed order. Diagram below shows high level function of each segment in the message.

|     |  |
|-----|--|
| UNH | Message header   |
| BGM | Purchase order type and function (original, cancel, duplicate, proposal, copy) |
| DTM | Message and delivery date / window   |
| FTX | Free text pertaining to whole order  |
| RFF | Blanket order #, contract #, promotional deal # and other references           |
| NAD | Buyer, supplier, ship to and other parties and locations to the transaction    |
| LOC | Subsequent location to the party or location                                   |
| RFF | Additional non-EAN party ids   |
| CTA | Contact names  |
| COM | Contact numbers  |
| CUX | Order currency if not AUD  |
| PAC | Trigger for PCI  |
| PCI | Buyer's instructions for markings on packages                                  |

#### Detail Section

|     |  |
|-----|--|
| LIN | EAN GTIN identifying product being ordered   |
| PIA | Other product identification/attributes  |
| IMD | Product description  |
| MEA | Product dimensions if variable, pallet layer info.   |
| QTY | Ordered quantity (and other for Retail only)   |
| DTM | Delivery date, this product only   |
| FTX | Free text for the line item  |
| PRI | Prices (inclusive and exclusive of allowances/charges and GST) including price basis and units of measure for variable measure items |
| RFF | Promotion deal #, serial # for this product  |
| PAC | May be used optionally for Retail to specify pack config.  |
| LOC | Locations for cross dock or split delivery   |
| QTY | Quantities for cross dock or split delivery  |
| DTM | Delivery date for split quantity   |
| TAX | GST rate on item, may be zero if GST exempt  |
| NAD | Home delivery customer or delivery party name and address details  |

#### Summary Section

|     |  |
|-----|--|
| UNS | Section break segment  |
| MOA | Purchase order monetary total inclusive of GST.                      |
| CNT | Control count of the number of line items, quantity total in message |
| UNT | Message trailer  |

## 5. Reading this Document

### Introduction to UN/EDIFACT terminology:

A UN/EDIFACT (ISO 9735) file is called an “*interchange*”. This is the EDI terminology. The interchange is made up of *segments*, which is also an EDI term equivalent to the term “record”.

An interchange starts with an interchange header segment called “UNB” and terminates with an interchange trailer segment called “UNZ”. Within the UNB – UNZ envelope are the segments that comprise either functional groups (not being used by Hardware) or the electronic EDI business *messages* themselves. Each business message begins with a header “UNH” segment and terminates with a trailer “UNT” segment. In between the message header and trailer are the user segments containing the business data.

Sample below<sup>1</sup>:

```

UNB                (start of interchange)
  UNH              (start of first business message)
  .....user segments
  UNT              (end of first business message)
  UNH              (start of second business message)
  .....user segments
  UNT              (end of second business message)
UNZ                (end of interchange)

```

Segments are made up of one or more data *elements*. Each data element in a segment is separated by a plus (+) symbol. A data element can be made up of *components*, which are separated from each other by a colon (:). Segments are terminated by the apostrophe ('). See data stream examples in sample message and on segments in the MIG.

UN/EDIFACT segments are given a *Base Status*, whilst the segments are given *Base Attributes*.

### Base Status/Attributes:

M - Mandatory: this segment/element must always be sent<sup>2</sup>

C - Conditional: this segment/element may be sent, see User Status/User Attributes (below)

---

<sup>1</sup> This Message Implementation Guideline (MIG) does not include the specifications for the interchange segments (UNB & UNZ) as typically they are generated automatically and contain the addressing data required to deliver the interchange across the communications medium being used to exchange messages between trading partners. Many users use their EAN company Global Location Number (GLN) for addressing purposes.

<sup>2</sup> Note that a segment with status “M” may occur in a group with status “C” so if the group is not used, then the segment is not used either. However if the group is used the segment must be used. Similarly with data elements.

**This Message Implementation Guideline (MIG):**

Only those segments in the standard message to be used in this MIG are specified, any segments not used have been omitted for readability. Within the detailed specification of each segment, all data elements are identified, even if they are not used, as placement of data elements within a segment is critical. The *User Status/Attribute* (see below) will indicate whether a particular segment or element is sent or not.

User Status/Attributes:

- M - Mandatory: Base Status/Attribute is mandatory so user status must also be mandatory
- R - Required: Base Status/Attribute is Conditional, but for this MIG it must always be sent
- D - Dependent: must or may be sent where stated conditions apply
- O - Optional: may be sent, by agreement between parties
- X - Not Used: never sent

**Notation:**

Wherever possible notes have been inserted into the MIG content (shown as shaded) to clarify how the data is to be used as well as any business rules to follow.

Most segments have a shaded block of notes at the beginning of the segment. Much of this is automatically generated text from the EANCOM superset on which this MIG is based. In some cases there are descriptions of data element or code usage that are not available for usage in this MIG.

As such, please use as your primary reference, the data element specification, which begins in each segment immediately below the heading “Data Element Summary”.

**6. Required (Mandatory) Data**

The data described below is the minimum required for a syntactically valid message according to this Message Implementation Guideline (MIG).

Trading partners will need to confirm any additionally required fields that may be necessary for trading.

| <b>Business descriptor name</b>                               | <b>Segment</b>    |
|---|-------------------|
| Header  |                   |
| Purchase Order Type (e.g. blanket, call off etc.)             | BGM               |
| Purchase Order number   | BGM               |
| Message Function (e.g. Original, cancel etc.)                 | BGM               |
| Purchase Order date   | DTM (header)      |
| Buyer & Supplier identification (ST-Ship To if not in detail) | NAD, grp2         |
| Line Item   |                   |
| Line item number  | LIN, grp25        |
| Product identifier (EAN GTIN or proprietary) and type         | LIN or PIA, grp25 |
| Ordered quantity  | QTY, grp25        |
| Item net price, exclusive of GST                              | PRI, grp28        |

## 7. Sample Messages

*This first sample message within interchange INT1 is for a direct to store order.*

| Sample Data Stream   | Explanation   |
|--|---|
| UNB+UNOA:3+9377770001799:14+9377770001829:14+020622:1336+INT1' | Interchange Header segment for interchange INT1, includes trading partner addressing. |
| UNH+0001+ORDERS:D:96A:UN:EAN008'                               | Message Header with UN/EDIFACT message type and directory version                     |
| BGM+220+232025+9'  | Stand alone, original order # 232025  |
| DTM+137:20021217:102'  | Order date is 17 <sup>th</sup> December 2002  |
| DTM+2:20030101:102'  | Requested delivery date is the 1 <sup>st</sup> January 2003                           |
| RFF+CT:18916'  | Contract # reference  |
| NAD+BY+STORE-1 <sup>3</sup> ::92'                              | Buying party is STORE-1   |
| CTA+PD+:WHITMORE, PAUL'  | Contact for the buyer is Paul Whitmore  |
| COM+03 9282 6942:TE'   | Telephone and   |
| COM+03 9282 6836:FX'   | Facsimile contact numbers   |
| NAD+ST+STORE-1::92'  | Ship-to location is STORE-1 i.e. ship Direct To Store (DTS)                           |
| NAD+IV+937777000180C::9'                                       | Invoice to party identified by EAN Global Location Number                             |
| NAD+SU+937777000182C::9'                                       | Supplier party identified by EAN Global Location Number                               |
| LIN+1++931234567890C:EN'                                       | 1 <sup>st</sup> line item – identified with EAN Global Trade Item Number (GTIN)       |
| IMD+++:::HAMMER, TITANIUM, 23CM'                               | Item description  |
| QTY+21:8'  | Ordered quantity is 8   |
| PRI+AAA:4.50'  | Item price excluding GST is \$4.50  |
| TAX+7+GST+++:::10.00'  | GST tax rate  |
| LIN+2'   | 2 <sup>nd</sup> line item   |
| PIA+5+LME-HG/123 <sup>4</sup> :IN'                             | Identified with the buyer's item number   |
| IMD+++:::BULK LIME HIGH GRADE'                                 | Item description  |
| QTY+21:50:KGM'   | Ordered quantity is 50kg  |
| PRI+AAA:2.00:::5:KGM'  | Item price excluding GST is \$2.00 per 5kgm   |
| TAX+7+GST+++:::10.00'  |   |
| UNS+S'   | Summary section separator segment   |
| MOA+86:61.60'  | Total order amount inclusive of GST   |
| CNT+2:2'   | Control count – number of line items  |
| UNT+27+0001'   | Message trailer   |
| UNZ+1+INT1'  | Interchange trailer and control fields  |

<sup>3</sup> Note: parties and locations should be identified using EAN Global Location Numbers (GLN) however examples of GLN and non-GLN party identification have been provided, for those cases in which GLNs have not yet been assigned to all locations.

<sup>4</sup> Note: Items should be identified using EAN Global Trade Item Numbers (GTIN) however examples of GTIN and non-GTIN product identification have been provided, for those cases in which GTINs have not yet been assigned to all products. This should be rare and indeed should be addressed before implementing EDI messaging.

|  |   |
|--|---|
|  |   |
| <i>This second sample message within interchange INT2 is for a cross dock order – i.e. shipped to a central Distribution Centre (DC) but packed by store. Note: to change this to a DTS order for multiple stores, do not show any ST-Ship To in the header and replace code “50E” in the BGM with code “220”.</i> |   |
| UNB+UNOA:3+9377770001799:14+9377770001829:14+020622:1336+INT2'   | Interchange Header segment for interchange INT2, includes trading partner addressing.   |
| UNH+0002+ORDERS:D:96A:UN:EAN008'   | Second purchase order (note it would still be correct to label this order # 0001 as it remains unique within interchange INT2). |
| BGM+50E+123-ABC+9'   | Cross dock order 123-ABC  |
| DTM+137:20021217:102'  | Order date is 17 <sup>th</sup> December 2002  |
| DTM+2:20030101:102'  | Requested delivery date is 1 <sup>st</sup> January 2003   |
| NAD+BY+937777000180C::9'   | Buyer is identified by EAN Global Location Number   |
| NAD+ST+DISTRIBUTION CENTRE A::92'  | Ship to DC  |
| NAD+SU+937777000182C::9'   | Supplier identified by its GLN  |
| LIN+1++93776654433C:EN'  | 1 <sup>st</sup> line item identified by EAN GTIN  |
| IMD+++::ACME PLASTIC FASTENERS, 50 PK'   | Item description, pack of 50 fasteners  |
| QTY+21:500'  | Ordered quantity is 500 packs   |
| PRI+AAA:5.00'  | Item price excluding GST is \$5.00.   |
| LOC+7+STORE-1::92'   | 1 <sup>st</sup> cross dock location   |
| QTY+11:200'  | Requires 200 items  |
| LOC+7+STORE-2::92'   | 2 <sup>nd</sup> cross dock location   |
| QTY+11:300'  | Requires 300 items (note sum of cross dock location quantities = total quantity ordered)  |
| UNS+S'   | Summary section separator segment   |
| MOA+86:2750.00'  | Total order amount inclusive of GST   |
| CNT+2:2'   | Control count – number of line items  |
| UNT+19+0002'   | Message trailer   |
| UNZ+1+INT2'  | Interchange trailer and control fields  |

## 8. Implementation Notes:

### Retail Basis for Hardware MIGs:

Note that each Hardware industry MIG has been based on existing Retail (grocery and general merchandise) MIGs. This is because the retail industry has had experience in implementation and are common customers with many Hardware industry suppliers.

When trading with Retail industry customers, it may be necessary to either send extra data as required by the retailer, or it may be that as a Hardware supplier you require extra data to be sent to you by the retailer.

For suppliers, all data required to be sent to the general merchandise retailers has been included in these Hardware MIGs to comply with their data receipt requirements. On the receiving side, there is very little data that has been added to these Hardware MIGs that is not currently supported in the Retail MIGs. An example of this data would be the sub-lining added for timber purposes, which customers would need to use when specifying piece lengths for cut to length packs. In such scenarios, it may be that suppliers will have to negotiate the receipt of this extra data from customers who may not be currently providing it on purchase orders.

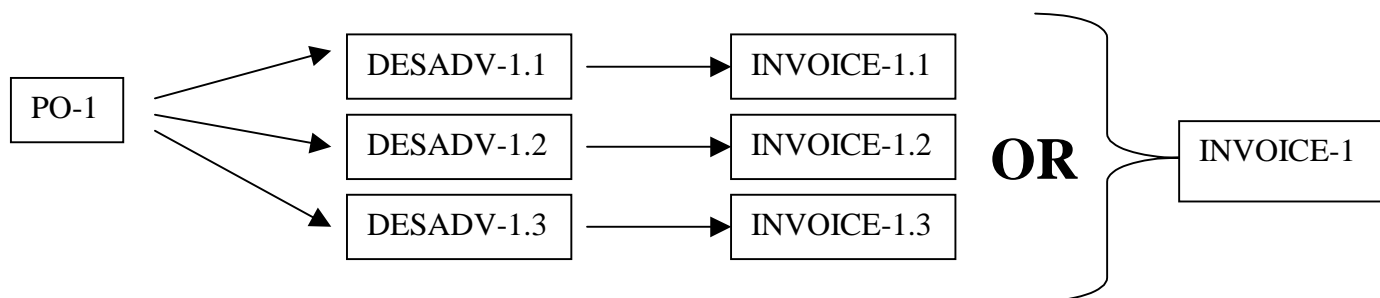
### Back Orders:

Whether or not backordering is allowed is to be agreed between trading partners. As this is usually done outside the dynamic messaging environment, there is no dynamic flag within any Hardware MIG to specify whether or not an ordered item may be placed on back order if it cannot be supplied initially. However, for those for whom back orders are allowable, the Purchase Order Response message does allow the supplier to acknowledge that part or all of the order has been placed on back order.

### Relationship of Purchase Orders, to Despatch Advice and Invoice:

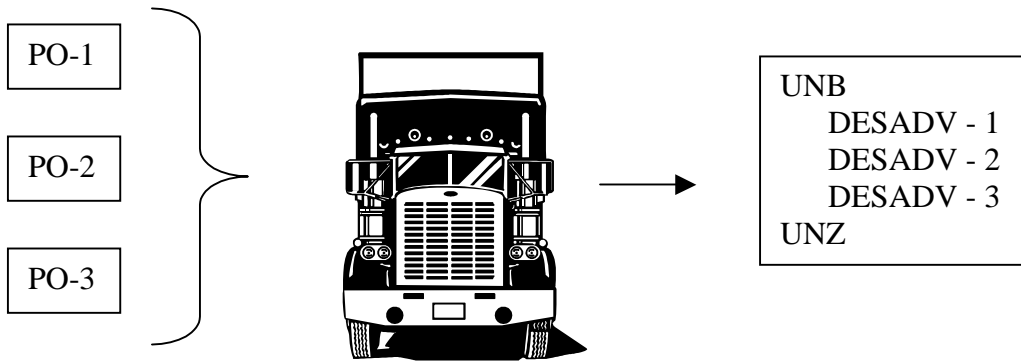
The RFF – Reference segment at both message header and detail levels are used to make reference links to other related documents. The purchase order occurs earlier in the trading cycle than despatch advice and invoice, and as such it is the two latter documents that link back to the order. See those MIGs for explanation of RFF segment usage for linking.

A purchase order may be split across multiple deliveries. There must be a separate DESADV per delivery. There may be a separate invoice per delivery also, or there may be one invoice consolidating all dispatches back to the original purchase order. See diagram 1 below:



- Diagram 1 -

Alternatively, multiple purchase orders may be consolidated into one shipment. This shipment will require a DESADV per Purchase Order. The multiple DESADV messages may all be consolidated into a manifest and sent as a single EDI interchange. See diagram 2 below:



- Diagram 2 -

Timber Industry Implementation Scenarios for Purchase Order:

Below is a brief synopsis of how these user segments could be implemented to support the flexibility of pack ordering required in the timber industry.<sup>5</sup>

***Standard Set length pack or standard mixed length pack:***

LIN – GTIN of pack

PIA – no substitution allowed (optional)

QTY - order quantity in GTIN implicit UOM i.e. EA

QTY - order quantity in alternate UOM, normally pricing UOM - either/both QTY required

PRI – price per (EA) or per pricing UOM

***Variable Cut to length pack:***

LIN - variable measure GTIN of pack (**line item level**)

PIA - as above

QTY - as above

QTY – as above

MEA – piece length (6311=PD, 6411=PCE)

PRI - as above

    LIN – (**pack level**)

    RFF – serial number of pack

***Random length pack:***

LIN - variable measure GTIN of pack (**line item level**)

PIA - as above

QTY - as above

QTY – as above

PRI – as above

    LIN – (**pack level**)

    RFF – serial number of pack

***Bulk timber item (e.g. woodchips)***

LIN - variable measure GTIN of item

QTY - total lineal MTR or volume MTQ being ordered

PRI - price per lineal MTR or MTQ volume

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<sup>5</sup> For additional information please refer to the document developed by the 2002 Timber Subgroup of the Hardware Industry B2B Electronic Commerce Project: *Identification of Timber with the EAN/UCC Numbering Standard - Product Variability Considerations (Version 1.0)*.

### Ordering Kit Assemblies

Below is an example of how a kit assembly could be ordered. The example kit is a door kit. Its components are the door, optional window pane insert, handle and jamb. Each component has a number of attribute values. Finally all components are grouped under a base “door kit” GTIN to allow for ordering at kit level. Both the kit itself and its components have already been defined in the PRICAT. Again, the ordering mechanism uses sub-lining for the kit components.

LIN: identify **Door Kit**

IMD – this is the base article

LIN/PIA: **Door**

IMD – Mandatory component

IMD – allowable attribute values for this kit type

LIN/PIA: **Window Pane Insert**

IMD – allowable attribute values for this kit type

LIN/PIA: **Handle**

IMD – Mandatory component

IMD – allowable attribute values for this kit type

LIN/PIA: **Jamb**

IMD – Mandatory component

IMD – allowable attribute values for this kit type

# ORDERS Purchase Order Message

## Notes:

Hardware Industry Purchase Order: Implementation v1.0, April 2003

### BUSINESS RULES OF THE HARDWARE INDUSTRY:

- CHANGES TO PREVIOUSLY PLACED ORDERS MUST BE AFFECTED BY CANCELLING AND REISSUING AN ORIGINAL ORDER.

- TRADE ITEMS SHOULD HAVE AN EAN GLOBAL TRADE ITEM NUMBER (GTIN) ASSIGNED AT ALL PACKAGING LEVELS THAT NEED TO BE IDENTIFIED AT SOME POINT IN THE SUPPLY CHAIN.

THEREFORE, THE GTIN ASSOCIATED WITH THE PACKAGING LEVEL BEING ORDERED SHOULD BE USED IN THE PURCHASE ORDER. E.G. WHEN ORDERING TRADE UNIT CARTONS, USE THE GTIN FOR THE CARTON, NOT THE CONSUMER UNIT (EACH).

- THERE SHOULD BE A SEPARATE PURCHASE ORDER FOR EACH SHIP TO ADDRESS SPECIFIED AT HEADER LEVEL.

NOTE FOR DIRECT TO STORE (DTS) DELIVERY, THE STORE MAY BE EITHER IDENTIFIED AS THE SHIP-TO LOCATION IN THE HEADER, OR AS DELIVERY LOCATIONS IN THE DETAIL LOC SEGMENT - AS PER RETAIL SPREADSHEET ORDERING (SEE SAMPLE MESSAGES IN PREAMBLE)

- WHERE A PURCHASE IS TO BE DELIVERED TO AN ULTIMATE CUSTOMER E.G. A HOME DELIVERY, THERE WILL BE A SEPARATE PURCHASE ORDER FOR EACH ULTIMATE CUSTOMER.

- FOR DOMESTIC PURCHASES THE CURRENCY WILL ALWAYS BE IN AUSTRALIAN DOLLARS.

## Heading Section:

| Page No. | Pos. No. | Seg. ID | Name                          | Base Status | User Status | Max.Use | Group Repeat | Notes and Comments |
|----------|----------|---------|-------------------------------|-------------|-------------|---------|--------------|--------------------|
| 3        | 0010     | UNH     | Message Header                | M           | M           | 1       |              |                    |
| 4        | 0020     | BGM     | Beginning of Message          | M           | M           | 1       |              |                    |
| 6        | 0030     | DTM     | Date/Time/Period              | M           | M           | 35      |              |                    |
| 7        | 0070     | FTX     | Free Text                     | C           | O           | 99      |              |                    |
|          | 0080     |         | Segment Group 1               | C           | O           |         | 10           |                    |
| 9        | 0090     | RFF     | Reference                     | M           | M           | 1       |              |                    |
|          | 0110     |         | Segment Group 2               | C           | R           |         | 99           |                    |
| 11       | 0120     | NAD     | Name and Address              | M           | M           | 1       |              |                    |
| 14       | 0130     | LOC     | Place/Location Identification | C           | O           | 25      |              |                    |
|          | 0150     |         | Segment Group 3               | C           | O           |         | 10           |                    |
| 17       | 0160     | RFF     | Reference                     | M           | M           | 1       |              |                    |
|          | 0210     |         | Segment Group 5               | C           | O           |         | 5            |                    |
| 19       | 0220     | CTA     | Contact Information           | M           | M           | 1       |              |                    |
| 20       | 0230     | COM     | Communication Contact         | C           | O           | 5       |              |                    |
|          | 0280     |         | Segment Group 7               | C           | O           |         | 5            |                    |
| 22       | 0290     | CUX     | Currencies                    | M           | M           | 1       |              |                    |
|          | 0450     |         | Segment Group 12              | C           | O           |         | 10           |                    |
| 25       | 0460     | PAC     | Package                       | M           | M           | 1       |              |                    |
|          | 0480     |         | Segment Group 13              | C           | O           |         | 5            |                    |
| 27       | 0490     | PCI     | Package Identification        | M           | M           | 1       |              |                    |

**Detail Section:**

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>                   | <u>Base Status</u> | <u>User Status</u> | <u>Max.Use</u> | <u>Group Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-------------------------------|--------------------|--------------------|----------------|---------------------|---------------------------|
|                 | 0930            |                | Segment Group 25              | C                  | R                  |                | 200000              |                           |
| 29              | 0940            | LIN            | Line Item                     | M                  | M                  | 1              |                     |                           |
| 30              | 0950            | PIA            | Additional Product Id         | C                  | D                  | 25             |                     |                           |
| 32              | 0960            | IMD            | Item Description              | C                  | O                  | 99             |                     |                           |
| 34              | 0970            | MEA            | Measurements                  | C                  | O                  | 5              |                     |                           |
| 36              | 0980            | QTY            | Quantity                      | C                  | R                  | 10             |                     |                           |
| 37              | 1010            | DTM            | Date/Time/Period              | C                  | O                  | 35             |                     |                           |
| 38              | 1080            | FTX            | Free Text                     | C                  | O                  | 99             |                     |                           |
|                 | 1180            |                | Segment Group 28              | C                  | R                  |                | 25                  |                           |
| 40              | 1190            | PRI            | Price Details                 | M                  | M                  | 1              |                     |                           |
|                 | 1240            |                | Segment Group 29              | C                  | O                  |                | 10                  |                           |
| 43              | 1250            | RFF            | Reference                     | M                  | M                  | 1              |                     |                           |
|                 | 1270            |                | Segment Group 30              | C                  | O                  |                | 10                  |                           |
| 45              | 1280            | PAC            | Package                       | M                  | M                  | 1              |                     |                           |
|                 | 1400            |                | Segment Group 33              | C                  | O                  |                | 9999                |                           |
| 47              | 1410            | LOC            | Place/Location Identification | M                  | M                  | 1              |                     |                           |
| 48              | 1420            | QTY            | Quantity                      | C                  | O                  | 1              |                     |                           |
| 49              | 1430            | DTM            | Date/Time/Period              | C                  | O                  | 5              |                     |                           |
|                 | 1440            |                | Segment Group 34              | C                  | O                  |                | 10                  |                           |
| 51              | 1450            | TAX            | Duty/Tax/Fee Details          | M                  | M                  | 1              |                     |                           |
|                 | 1480            |                | Segment Group 35              | C                  | O                  |                | 99                  |                           |
| 53              | 1490            | NAD            | Name and Address              | M                  | M                  | 1              |                     |                           |

**Section Control:**

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>     | <u>Base Status</u> | <u>User Status</u> | <u>Max.Use</u> | <u>Group Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-----------------|--------------------|--------------------|----------------|---------------------|---------------------------|
| 55              | 2090            | UNS            | Section Control | M                  | M                  | 1              |                     |                           |

**Summary Section:**

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>     | <u>Base Status</u> | <u>User Status</u> | <u>Max.Use</u> | <u>Group Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-----------------|--------------------|--------------------|----------------|---------------------|---------------------------|
| 56              | 2100            | MOA            | Monetary Amount | C                  | O                  | 12             |                     |                           |
| 57              | 2110            | CNT            | Control Total   | C                  | O                  | 10             |                     |                           |
| 58              | 2160            | UNT            | Message Trailer | M                  | M                  | 1              |                     |                           |

**Segment:** **UNH** Message Header  
**Position:** 0010  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A service segment starting and uniquely identifying a message. The message type code for the Purchase order message is ORDERS.  
 Note: Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 ORDERS 0052 D 0054 96A 0051 UN

**Notes:** This segment is used to head, identify and specify a message.

DE's 0065, 0052, 0054, and 0051: Indicate that the message is an UNSM Purchase Order based on the D.96A directory under the control of the United Nations.

DE 0057: Indicates that the message is the EANCOM version 008 of the UNSM Purchase Order.

Example :

UNH+ME000001+ORDERS:D:96A:UN:EAN008'

**Data Element Summary**

| <u>Data Element</u>  | <u>Component Element</u>   | <u>Name</u>                                     | <u>Base Attributes</u> | <u>User Attributes</u> |  |
|--|--|---|------------------------|------------------------|--|
| 0062   |  | MESSAGE REFERENCE NUMBER                        | M an..14               | M                      |  |
| Senders unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated. |  |   |                        |                        |  |
| S009   | 0065   | MESSAGE IDENTIFIER                              | M                      | M                      |  |
|  |  | Message type identifier                         | M an..6                | M                      |  |
|  | THIS HAS AN EANCOM RESTRICTED CODE LIST                              |   |                        |                        |  |
|  |  | <i>ORDERS Purchase order message</i>            |                        |                        |  |
|  | 0052   | Message type version number                     | M an..3                | M                      |  |
|  | THIS HAS AN EANCOM RESTRICTED CODE LIST                              |   |                        |                        |  |
|  |  | <i>D Draft directory</i>                        |                        |                        |  |
|  | 0054   | Message type release number                     | M an..3                | M                      |  |
|  | THIS HAS AN EANCOM RESTRICTED CODE LIST                              |   |                        |                        |  |
|  |  | <i>96A Version 96A</i>                          |                        |                        |  |
| 0051   | Controlling agency   | M an..2   | M                      |                        |  |
| THIS HAS AN EANCOM RESTRICTED CODE LIST  |  |   |                        |                        |  |
|  | <i>UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</i> |   |                        |                        |  |
| 0057   | Association assigned code  | C an..6   | R                      |                        |  |
| THIS HAS AN EANCOM RESTRICTED CODE LIST  |  |   |                        |                        |  |
|  | <i>EAN008 EAN Version Control Number</i>                             |   |                        |                        |  |
| 0068   |  | COMMON ACCESS REFERENCE                         | C an..35               | X                      |  |
| S010   |  | STATUS OF THE TRANSFER                          | C                      | X                      |  |
|  | 0070   | Sequence message transfer number                | M n..2                 | X                      |  |
|  | 0073   | First/last sequence message transfer indication | C a1                   | X                      |  |

**Segment:** **BGM** Beginning of Message  
**Position:** 0020  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment by which the sender must uniquely identify the order by means of its name and number and when necessary its function.  
**Notes:** This segment is used to indicate the type and function of a message and to transmit the identifying number.

DE 1001: When applicable it is recommended to use the more descriptive document name code for an order instead of the general 220 Purchase Order value.

All references other than the document number DE 1004 are in the RFF segment.

DE 1004: It is recommended that the length of document number be restricted to a maximum of 17 characters.

DE 1225: The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. The following definitions apply for the restricted codes:

7 = Duplicate - A re-transmission involving the same parties, on the specific request of the receiver.

9 = Original - An original transmission of a purchase order.

16 = Proposal - A proposed or suggested order.

31 = Copy - A copy of an order for a third party for information purposes.

Example :

BGM+220+PO12341998+9'

Dependency Notes :

DE 3055: Code for EAN '9' should be used when DE 1001 contains the values 22E, 50E. These are EAN specific codes and must be qualified as such by using DE 3055.

DE 4343: This DE is used if the order issuer wishes to explicitly indicate whether an acknowledgement is required or not.

**Data Element Summary**

| <u>Data Element</u>                            | <u>Component Element</u> | <u>Name</u>                                       | <u>Base Attributes</u> | <u>User Attributes</u> |
|--|--------------------------|---|------------------------|------------------------|
| C002   | 1001                     | DOCUMENT/MESSAGE NAME                             | C                      | R                      |
|  |                          | Document/message name, coded                      | C an..3                | R                      |
| <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b> |                          |   |                        |                        |
|  |                          | <i>220 Order</i>                                  |                        |                        |
|  |                          | Sometimes referred to as a Standalone order.      |                        |                        |
|  |                          | <i>221 Blanket order</i>                          |                        |                        |
|  |                          | Sometimes referred to as a Spreadsheet Order      |                        |                        |
|  |                          | <i>226 Call off order</i>                         |                        |                        |
|  |                          | <i>22E Manufacturer raised order (EAN Code)</i>   |                        |                        |
|  |                          | Sometimes referred to as a Reverse Purchase Order |                        |                        |
|  |                          | <i>50E Cross docking order (EAN Code)</i>         |                        |                        |

|      |  |  |          |               |
|------|--|--|----------|---------------|
|      |  | An order requesting cross docking services for goods to be delivered to a retailer. Some retailers will choose this code as a more explicit advice. Other retailers will choose to use code 220, and the supplier will need to establish if it is a cross dock order by referencing the LOC-QTY-DTM segments at each line level. |          |               |
| 1131 | <b>Code list qualifier</b>                 |  | <b>C</b> | <b>an..3</b>  |
| 3055 | <b>Code list responsible agency, coded</b> |  | <b>C</b> | <b>an..3</b>  |
|      | <b>9</b>                                   | <b>EAN (International Article Numbering association)</b><br>Must use when C002.1001 = 22E or 50E.  |          |               |
| 1000 | <b>Document/message name</b>               |  | <b>C</b> | <b>an..35</b> |
|      |  | Optional for Retail.   |          | <b>O</b>      |
| 1004 | <b>DOCUMENT/MESSAGE NUMBER</b>             |  | <b>C</b> | <b>an..35</b> |
|      |  | Order Number assigned by document sender.  |          | <b>R</b>      |
|      |  | If it is a Release Order, thus Release #, the Blanket PO # to be shown in the RFF segment.   |          |               |
| 1225 | <b>MESSAGE FUNCTION, CODED</b>             |  | <b>C</b> | <b>an..3</b>  |
|      |  | <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b>   |          | <b>R</b>      |
|      | <b>1</b>                                   | <b>Cancellation</b>  |          |               |
|      | <b>7</b>                                   | <b>Duplicate</b><br>A retransmission involving the same parties, on the specific request of the receiver.  |          |               |
|      | <b>9</b>                                   | <b>Original</b>  |          |               |
|      | <b>16</b>                                  | <b>Proposal</b><br>For a VMI (Vendor Managed Inventory) business practice, where the supplier will recommend the purchase order for the retailer to accept.  |          |               |
|      | <b>31</b>                                  | <b>Copy</b><br>A copy of an order for a third party for information purposes.  |          |               |
| 4343 | <b>RESPONSE TYPE, CODED</b>                |  | <b>C</b> | <b>an..3</b>  |
|      |  |  |          | <b>X</b>      |

**Segment:** **DTM** Date/Time/Period  
**Position:** 0030  
**Group:**  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 35  
**Purpose:** A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order date. Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order and, if no schedule is to be specified, the delivery date. The Date/time/period segment within other Segment group should be used whenever the date/time/period requires to be logically related to another specified data item. e.g. Payment due date is specified within the PAT Segment group.

**Notes:** This segment is used to specify the date of the Order and, where required, requested dates concerning the delivery of the goods.

DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in the purchase order message.

Example :

DTM+137:19980830:102'

This example dates the message as the 30th of August 1998.

DTM+2:19981001:102'

This example requests delivery on the 1st of October 1998.

Codes 2, 64 and 61 relates to the delivery of the order to the point of destination.  
 Codes 10, 37 and 43E relates to the shipment of the order from the point of departure.

**Data Element Summary**

| <u>Data Element</u>                            | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u>   | <u>User Attributes</u> |
|--|--------------------------|--|--|------------------------|
| C507   | 2005                     | DATE/TIME/PERIOD<br>Date/time/period qualifier                         | M<br>M an..3   | M<br>M                 |
| <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b> |                          |  |  |                        |
|  |                          | 2<br><i>Delivery date/time, requested</i>                              |  |                        |
|  |                          | 10<br><i>Shipment date/time, requested</i>                             |  |                        |
|  |                          | 37<br><i>Ship not before date/time</i>                                 |  |                        |
|  |                          |  | This will be relating to the despatch window and will be used with code 43E. |                        |
|  |                          | 61<br><i>Cancel if not delivered by this date</i>                      |  |                        |
|  |                          | 63<br><i>Delivery date/time, latest</i>                                |  |                        |
|  |                          |  | To indicate a delivery window, then specify code 63 and code 64.             |                        |
|  |                          | 64<br><i>Delivery date/time, earliest</i>                              |  |                        |
|  |                          |  | To indicate a delivery window, then specify code 63 and code 64.             |                        |
|  |                          | 137<br><i>Document/message date/time</i>                               |  |                        |
|  |                          |  | Required: Code 137 is used to specify the date of the Purchase Order Message |                        |
|  |                          | 43E<br><i>Cancel if not shipped/despatched by this date (EAN Code)</i> |  |                        |
|  |                          |  | This will be relating to the despatch window and will be used with code 37.  |                        |
|  | 2380                     | Date/time/period   | C an..35   | R                      |
|  | 2379                     | Date/time/period format qualifier                                      | C an..3  | R                      |
|  |                          | 102<br>CCYYMMDD  |  |                        |
|  |                          | 203<br>CCYYMMDDHHMM  |  |                        |

**Segment:** **FTX** Free Text  
**Position:** 0070  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

**Notes:** This segment is used to provide free form or coded text information for the entire purchase order.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example :

FTX+PUR+++THIS IS A PRIORITY 1 ORDER'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                                | <u>Base Attributes</u> | <u>User Attributes</u>   |
|---------------------|--------------------------|--|------------------------|--|
| 4451                |                          | <b>TEXT SUBJECT QUALIFIER</b>              | <b>M an..3</b>         | <b>M</b>   |
|                     |                          | <i>DEL</i>                                 |                        | <i>Delivery information</i>  |
|                     |                          |  |                        | Qualifier DEL is used when specific delivery instructions, not explicit in the Orders message is required.   |
|                     |                          | <i>PKG</i>                                 |                        | <i>Packaging information</i>   |
|                     |                          |  |                        | Qualifier PKG is used to provide free text information relating to packaging and is intended to be printed on a packing/despatch slip. This information cannot be used for automatic processing.           |
|                     |                          | <i>PUR</i>                                 |                        | <i>Purchasing information</i>  |
| 4453                |                          | <b>TEXT FUNCTION, CODED</b>                | <b>C an..3</b>         | <b>X</b>   |
| C107                |                          | <b>TEXT REFERENCE</b>                      | <b>C</b>               | <b>X</b>   |
|                     | 4441                     | <b>Free text, coded</b>                    | <b>M an..3</b>         | <b>X</b>   |
|                     | 1131                     | <b>Code list qualifier</b>                 | <b>C an..3</b>         | <b>X</b>   |
|                     | 3055                     | <b>Code list responsible agency, coded</b> | <b>C an..3</b>         | <b>X</b>   |
| C108                |                          | <b>TEXT LITERAL</b>                        | <b>C</b>               | <b>R</b>   |
|                     | 4440                     | <b>Free text</b>                           | <b>M an..70</b>        | <b>M</b>   |
|                     |                          |  |                        | Free text used to described some aspect of the purchase. It is recommended to use character set level A i.e. UPPER CASE CHARACTERS. For more details about Character set A refer to the EANCOM guidelines. |
|                     |                          |  |                        | While only 70 characters are allowed, the FTX segment can be repeated 99 times. It is suggested that each iteration would specify a different qualifier at DE4451.   |
|                     | 4440                     | <b>Free text</b>                           | <b>C an..70</b>        | <b>X</b>   |
|                     | 4440                     | <b>Free text</b>                           | <b>C an..70</b>        | <b>X</b>   |
|                     | 4440                     | <b>Free text</b>                           | <b>C an..70</b>        | <b>X</b>   |
|                     | 4440                     | <b>Free text</b>                           | <b>C an..70</b>        | <b>X</b>   |
| 3453                |                          | <b>LANGUAGE, CODED</b>                     | <b>C an..3</b>         | <b>X</b>   |

**Group:** **RFF** Segment Group 1: Reference  
**Position:** 0080  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments for giving references and where necessary, their dates, relating to the whole message e.g. contract number, import/export license number, reservation number.

**Segment Summary**

|   | <b>Pos.<br/>No.</b> | <b>Seg.<br/>ID</b> | <b>Name</b> | <b>Req.<br/>Des.</b> | <b>Max.<br/>Use</b> | <b>Group:<br/>Repeat</b> |
|---|---------------------|--------------------|-------------|----------------------|---------------------|--------------------------|
| M | 0090                | RFF                | Reference   | M                    | 1                   |                          |

**Segment:** **RFF** Reference  
**Position:** 0090 (Trigger Segment)  
**Group:** SG1  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.  
**Notes:** This segment is used to specify other references which relate to the transmission, for example, contract numbers, price list numbers, etc. The references given at this point are valid for the whole document unless superseded by references at line level.

Example :

RFF+CT:652744'

**Data Element Summary**

| <u>Data Element</u>                      | <u>Component Element</u> | <u>Name</u>              | <u>Base Attributes</u>                      | <u>User Attributes</u> |
|--|--------------------------|--------------------------|---|------------------------|
| C506                                     |                          | REFERENCE                | M   | M                      |
|  | 1153                     | Reference qualifier      | M an..3                                     | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST. |                          |                          |   |                        |
|  |                          | <i>BO</i>                | <i>Blanket order number</i>                 |                        |
|  |                          | <i>CT</i>                | <i>Contract number</i>                      |                        |
|  |                          | <i>PD</i>                | <i>Promotion deal number</i>                |                        |
|  |                          | <i>SD</i>                | <i>Sales department number</i>              |                        |
|  |                          | <i>TL</i>                | <i>Tax exemption licence number</i>         |                        |
|  |                          | <i>UC</i>                | <i>Ultimate customer's reference number</i> |                        |
|  |                          |                          | (optional for Retail)                       |                        |
|  | 1154                     | Reference number         | C an..35                                    | R                      |
|  | 1156                     | Line number              | C an..6                                     | X                      |
|  | 4000                     | Reference version number | C an..35                                    | X                      |

**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 0110  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 99  
**Purpose:** A group of segments identifying the parties with associated information.

**Segment Summary**

|   | <b>Pos.</b> | <b>Seg.</b> | <b>Name</b>                          | <b>Req.</b> | <b>Max.</b> | <b>Group:</b> |
|---|-------------|-------------|--------------------------------------|-------------|-------------|---------------|
|   | <b>No.</b>  | <b>ID</b>   |                                      | <b>Des.</b> | <b>Use</b>  | <b>Repeat</b> |
| M | 0120        | NAD         | Name and Address                     | M           | 1           |               |
| O | 0130        | LOC         | Place/Location Identification        | C           | 25          |               |
|   | 0150        |             | Segment Group 3: Reference           | C           |             | 10            |
|   | 0210        |             | Segment Group 5: Contact Information | C           |             | 5             |

**Segment:** **NAD** Name and Address  
**Position:** 0120 (Trigger Segment)  
**Group:** SG2  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1

**Purpose:** A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order. Identification of the seller and buyer parties is mandatory for the order message. It is recommended that where possible only the coded form of the party ID should be specified e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

**Notes:** The NAD segment is used to identify the trading partners involved in the Order process. Identification of the buyer and supplier of goods and services is mandatory in the Order using DE's 3035 and C082. Additionally, the invoicee and delivery party need to be specified if different than the buyers address.

The delivery address given in NAD at header level is the main delivery address for all line items. It can however be overridden at line level by the use of Segment Group 32 LOC/QTY/DTM to indicate split deliveries.

Implementation rule: The ST-Ship To location must be specified explicitly in the header NAD, unless this is a spreadsheet order going directly to multiple stores. (See preamble implementation section).

If coded address information cannot be used it is recommended to use a structured address (C080 through 3207).

Example :

The identification of the buyer and supplier of goods and services is mandatory

NAD+BY+5412345000010::9'

NAD+SU+401234500000::9'

Dependency Notes :

The following composites and data elements are only used when a coded name and address cannot be used or there is a requirement to furnish the full name and address for the trading party. The affected composites and data elements are as follows:

C080 - C059 - 3164 - 3229 - 3251 - 3207

**Data Element Summary**

| <u>Data Element</u>                            | <u>Component Element</u> | <u>Name</u>            | <u>Base Attributes</u>  | <u>User Attributes</u> |
|--|--------------------------|------------------------|---|------------------------|
| 3035   |                          | <b>PARTY QUALIFIER</b> | M an..3   | M                      |
| <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b> |                          |                        |   |                        |
|  |                          | <i>BS</i>              | <i>Bill and ship to</i>   |                        |
|  |                          | <i>BY</i>              | <i>Buyer</i>  |                        |
|  |                          |                        | REQUIRED: For Hardware Industry the party identified by the code BY usually refers to the store.    |                        |
|  |                          | <i>IV</i>              | <i>Invoicee</i>   |                        |
|  |                          |                        | For the Hardware Industry, the code IV refers to the party to whom the invoice is sent.             |                        |
|  |                          | <i>ST</i>              | <i>Ship to</i>  |                        |
|  |                          |                        | May be the store (for Direct To Store - DTS delivery) or may be a central Distribution Centre (DC). |                        |
|  |                          |                        | Dependent: Must be used if neither NAD or LOC/QTY/DTM not   |                        |

|             |   |   |               |           |
|-------------|---|---|---------------|-----------|
|             |   | used in detail section of the message.  |               |           |
|             | <i>SU</i>   | <b>Supplier</b>   |               |           |
|             |   | REQUIRED  |               |           |
|             | <i>UD</i>   | <b>Ultimate customer</b>  |               |           |
|             |   | Use UD only when the whole order is to be delivered to the ultimate customer, who is usually the customer who has purchased an item/s for direct to home delivery. When UD is used, the name and address have to be specified in the NAD segment. |               |           |
|             |   | The Hardware Industry Business Rule is for a separate Purchase Order for each ultimate customer.  |               |           |
| <b>C082</b> | <b>PARTY IDENTIFICATION DETAILS</b>   | <b>C</b>  |               | <b>Re</b> |
|             |   |   |               | <b>c</b>  |
| <b>3039</b> | <b>Party id. identification</b>   | <b>M</b>  | <b>an..35</b> | <b>M</b>  |
|             | EAN Location Code - Format n13  |   |               |           |
|             | EAN recommends the use of the EAN Global Location Number for EANCOM compliance e.g. 1234567890128 (NB: The GLN must include a correctly calculated check-digit) - If a GLN is not used to identifying the party, then use the RFF segment in the LOC segment. |   |               |           |
|             | For Australian domestic only, where EAN GLNs are not available, eg, because of migration, non-EAN numbers can be used.  |   |               |           |
|             | If the order is for delivery to the ultimate customer and where code UD is used in DE3035, then DE3039, DE1131 and DE3055 need not be used.   |   |               |           |
| <b>1131</b> | <b>Code list qualifier</b>  | <b>C</b>  | <b>an..3</b>  | <b>X</b>  |
| <b>3055</b> | <b>Code list responsible agency, coded</b>  | <b>C</b>  | <b>an..3</b>  | <b>R</b>  |
|             | <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b>  |   |               |           |
|             | <b>9</b>  | <b>EAN (International Article Numbering association)</b>  |               |           |
|             |   | Use Code 9 when an EAN Global Location Number is used as the party identification.  |               |           |
|             | <b>91</b>   | <b>Assigned by seller or seller's agent</b>   |               |           |
|             |   | While EAN Global Location Numbers are recommended for party identification code 91 is allowed for companies who have legacy systems and who have non-EAN numbers in use and/or are in the process of migration                                    |               |           |
|             | <b>92</b>   | <b>Assigned by buyer or buyer's agent</b>   |               |           |
|             |   | While EAN Global Location Numbers are recommended for party identification code 92 is allowed for companies who have legacy systems and who have non-EAN numbers in use and/or are in the process of migration                                    |               |           |
|             | <b>ZZZ</b>  | <b>Mutually defined</b>   |               |           |
|             |   | Optional for Retail.  |               |           |
| <b>C058</b> | <b>NAME AND ADDRESS</b>   | <b>C</b>  |               | <b>X</b>  |
| <b>3124</b> | <b>Name and address line</b>  | <b>M</b>  | <b>an..35</b> | <b>X</b>  |
| <b>3124</b> | <b>Name and address line</b>  | <b>C</b>  | <b>an..35</b> | <b>X</b>  |
| <b>3124</b> | <b>Name and address line</b>  | <b>C</b>  | <b>an..35</b> | <b>X</b>  |
| <b>3124</b> | <b>Name and address line</b>  | <b>C</b>  | <b>an..35</b> | <b>X</b>  |
| <b>3124</b> | <b>Name and address line</b>  | <b>C</b>  | <b>an..35</b> | <b>X</b>  |
| <b>C080</b> | <b>PARTY NAME</b>   | <b>C</b>  |               | <b>D</b>  |
|             | For direct to customer deliveries, i.e. where the whole order will be delivered to the customer, whose name and address appears below.  |   |               |           |
|             | Must be used if DE3035 uses code UD. Otherwise not used.  |   |               |           |
| <b>3036</b> | <b>Party name</b>   | <b>M</b>  | <b>an..35</b> | <b>M</b>  |
|             | Party Name in clear text.<br>E.g. F SMITH   |   |               |           |
| <b>3036</b> | <b>Party name</b>   | <b>C</b>  | <b>an..35</b> | <b>O</b>  |
|             | The second iteration is used when a "care-of" name is needed to be specified<br>E.g. C/O MARGARET PARKER  |   |               |           |
| <b>3036</b> | <b>Party name</b>   | <b>C</b>  | <b>an..35</b> | <b>X</b>  |

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|             |             |   |          |               |          |
|-------------|-------------|---|----------|---------------|----------|
|             | <b>3036</b> | <b>Party name</b>   | <b>C</b> | <b>an..35</b> | <b>X</b> |
|             | <b>3036</b> | <b>Party name</b>   | <b>C</b> | <b>an..35</b> | <b>X</b> |
| <b>C059</b> | <b>3045</b> | <b>Party name format, coded</b>   | <b>C</b> | <b>an..3</b>  | <b>X</b> |
|             |             | <b>STREET</b>   | <b>C</b> |               | <b>D</b> |
|             |             | Must be used if DE3035 uses code UD. Otherwise not used.                                |          |               |          |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>   | <b>M</b> | <b>an..35</b> | <b>M</b> |
|             |             | Building Name/Number and Street<br>E.g. CITY TOWERS                                     |          |               |          |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>   | <b>C</b> | <b>an..35</b> | <b>O</b> |
|             |             | Use this line for the second iteration of the street and number<br>E.g. 18TH FLOOR      |          |               |          |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>   | <b>C</b> | <b>an..35</b> | <b>O</b> |
|             |             | Use this line for the third iteration of the street and number<br>E.g. 123 WEST TERRACE |          |               |          |
| <b>3164</b> | <b>3042</b> | <b>Street and number/p.o. box</b>   | <b>C</b> | <b>an..35</b> | <b>X</b> |
|             |             | <b>CITY NAME</b>  | <b>C</b> | <b>an..35</b> | <b>D</b> |
|             |             | City/Town name, clear text<br>E.g. ADELAIDE   |          |               |          |
|             |             | Must be used if DE3035 uses code UD. Otherwise not used.                                |          |               |          |
| <b>3229</b> |             | <b>COUNTRY SUB-ENTITY IDENTIFICATION</b>  | <b>C</b> | <b>an..9</b>  | <b>D</b> |
|             |             | County/State in clear text.<br>E.g. SA  |          |               |          |
|             |             | Must be used if DE3035 uses code UD. Otherwise not used.                                |          |               |          |
| <b>3251</b> |             | <b>POSTCODE IDENTIFICATION</b>  | <b>C</b> | <b>an..9</b>  | <b>D</b> |
|             |             | Postal Code<br>E.g. 5001  |          |               |          |
|             |             | Must be used if DE3035 uses code UD. Otherwise not used.                                |          |               |          |
| <b>3207</b> |             | <b>COUNTRY, CODED</b>   | <b>C</b> | <b>an..3</b>  | <b>D</b> |
|             |             | ISO 3166 two alpha code<br>For overseas use only  |          |               |          |

**Segment:** **LOC** Place/Location Identification  
**Position:** 0130  
**Group:** SG2  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 25  
**Purpose:** A segment giving more specific location information of the party specified in the NAD segment e.g. internal site/building number.  
**Notes:** This segment is used to indicate any location related to the party specified in the NAD segment.  
 Note: In Direct To Store (DTS) delivery orders this segment would not be used as at present there would be no coded sub-location within the store that would need to be referenced in a delivery.  
 It is recommended that EAN GLN be used for the identification of all locations.  
 Example :  
 LOC+7+9312345678907::9'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 3227                |                          | <b>PLACE/LOCATION QUALIFIER</b><br>THIS HAS AN EANCOM RESTRICTED CODE LIST.   | M an..3                | M                      |
|                     |                          | 7 <i>Place of delivery</i>  |                        |                        |
| C517                | 3225                     | <b>LOCATION IDENTIFICATION</b><br><b>Place/location identification</b><br>EAN Global Location Number - Format n13<br><br>EAN recommends the use of EAN Global Location Numbers for EANCOM compliance e.g. 1234567890128 (NB: The GLN must include a correctly calculated check-digit)- If an EAN GLN is not used to identify the location then use of the RFF segment in the LOC segment.<br><br>For Aust domestics only, where EAN GLNs are not available, eg, because of migration, non-EAN numbers can be used.  | C<br>C an..25          | R<br>R                 |
|                     | 1131                     | <b>Code list qualifier</b>  | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b><br>9 <i>EAN (International Article Numbering association)</i><br>91 <i>Assigned by seller or seller's agent</i><br>While EAN Global Location Numbers are recommended for party identification code 91 is allowed for companies who have legacy systems and who have non-EAN numbers in use and/or are in the process of migration<br>92 <i>Assigned by buyer or buyer's agent</i><br>While EAN Global Location Numbers are recommended for party identification code 92 is allowed for companies who have legacy systems and who have non-EAN numbers in use and/or are in the process of migration<br>ZZZ <i>Mutually defined</i><br>Optional for Retail. | C an..3<br>C an..3     | O                      |
|                     | 3224                     | <b>Place/location</b>   | C an..70               | X                      |
| C519                |                          | <b>RELATED LOCATION ONE IDENTIFICATION</b>  | C                      | X                      |
|                     | 3223                     | <b>Related place/location one identification</b>  | C an..25               | X                      |
|                     | 1131                     | <b>Code list qualifier</b>  | C an..3                | X                      |

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|             |             |  |          |               |          |
|-------------|-------------|--|----------|---------------|----------|
|             | <b>3055</b> | <b>Code list responsible agency, coded</b>       | <b>C</b> | <b>an..3</b>  | <b>X</b> |
|             | <b>3222</b> | <b>Related place/location one</b>                | <b>C</b> | <b>an..70</b> | <b>X</b> |
| <b>C553</b> |             | <b>RELATED LOCATION TWO IDENTIFICATION</b>       | <b>C</b> |               | <b>X</b> |
|             | <b>3233</b> | <b>Related place/location two identification</b> | <b>C</b> | <b>an..25</b> | <b>X</b> |
|             | <b>1131</b> | <b>Code list qualifier</b>                       | <b>C</b> | <b>an..3</b>  | <b>X</b> |
|             | <b>3055</b> | <b>Code list responsible agency, coded</b>       | <b>C</b> | <b>an..3</b>  | <b>X</b> |
|             | <b>3232</b> | <b>Related place/location two</b>                | <b>C</b> | <b>an..70</b> | <b>X</b> |
| <b>5479</b> |             | <b>RELATION, CODED</b>                           | <b>C</b> | <b>an..3</b>  | <b>X</b> |

**Group:** **RFF** Segment Group 3: Reference  
**Position:** 0150  
**Group:** Segment Group 2 (Name and Address) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments giving references only relevant to the specified party rather than the whole order.

**Segment Summary**

|   | <u>Pos.</u> | <u>Seg.</u> |             | <u>Req.</u> | <u>Max.</u> | <u>Group:</u> |
|---|-------------|-------------|-------------|-------------|-------------|---------------|
|   | <u>No.</u>  | <u>ID</u>   | <u>Name</u> | <u>Des.</u> | <u>Use</u>  | <u>Repeat</u> |
| M | 0160        | RFF         | Reference   | M           | 1           |               |

**Segment:** **RFF** Reference  
**Position:** 0160 (Trigger Segment)  
**Group:** SG2-SG3  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.  
**Notes:** This RFF segment is used to specify reference numbers related to the party specified in the previous NAD segment.

Example :

RFF+IA:01557'

The example indicates that the internal vendor number used by the buyer for the supplier is 01557.

**Data Element Summary**

| <u>Data Element</u>                      | <u>Component Element</u> | <u>Name</u>              | <u>Base Attributes</u>  | <u>User Attributes</u> |
|--|--------------------------|--------------------------|---|------------------------|
| C506                                     |                          | REFERENCE                | M   | M                      |
|  | 1153                     | Reference qualifier      | M an..3   | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST. |                          |                          |   |                        |
|  |                          | <i>API</i>               | <i>Additional party identification (EAN Code)</i>                     |                        |
|  |                          | <i>IA</i>                | <i>Internal vendor number</i>   |                        |
|  |                          |                          | Assigned by the buyer e.g. as used in buyer's accounts payable system |                        |
|  | 1154                     | Reference number         | C an..35  | R                      |
|  | 1156                     | Line number              | C an..6   | X                      |
|  | 4000                     | Reference version number | C an..35  | X                      |

**Group:** **CTA** Segment Group 5: Contact Information  
**Position:** 0210  
**Group:** Segment Group 2 (Name and Address) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

**Segment Summary**

|   | <b>Pos.</b>       | <b>Seg.</b>      | <b>Name</b>           | <b>Req.</b>        | <b>Max.</b>       | <b>Group:</b>        |
|---|-------------------|------------------|-----------------------|--------------------|-------------------|----------------------|
|   | <b><u>No.</u></b> | <b><u>ID</u></b> | <b><u>Name</u></b>    | <b><u>Des.</u></b> | <b><u>Use</u></b> | <b><u>Repeat</u></b> |
| M | 0220              | CTA              | Contact Information   | M                  | 1                 |                      |
| O | 0230              | COM              | Communication Contact | C                  | 5                 |                      |

**Segment:** **CTA Contact Information**  
**Position:** 0220 (Trigger Segment)  
**Group:** SG2-SG5  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to identify a person or department, and their function, to whom communications should be directed.  
**Notes:** This is an optional segment of use for the Hardware Industry.

This segment is used to identify contact names within the company specified in the previous NAD segment. The EAN location code is particularly suitable for this purpose.

Example :

CTA+OC+:P FORGET'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                                  | <u>Base Attributes</u> | <u>User Attributes</u>   |
|---------------------|--------------------------|--|------------------------|--|
| 3139                |                          | <b>CONTACT FUNCTION, CODED</b>               | <b>C an..3</b>         | <b>R</b>   |
|                     |                          | <i>OC</i>                                    |                        |  |
|                     |                          | <i>Order contact</i>                         |                        |  |
|                     |                          |  |                        | The code OC is used to specify the name of the person who placed the order. Use only when NAD 3035 = UD.                     |
|                     |                          | <i>PD</i>                                    |                        |  |
|                     |                          | <i>Purchasing contact</i>                    |                        |  |
|                     |                          |  |                        | Use under any NAD loop, except when NAD 3035 = SU or UD.   |
| C056                |                          | <b>DEPARTMENT OR EMPLOYEE DETAILS</b>        | <b>C</b>               | <b>R</b>   |
|                     | 3413                     | <b>Department or employee identification</b> | <b>C an..17</b>        | <b>O</b>   |
|                     |                          |  |                        | Specify the department where the contact person is working or the contact person's internal identification number, if known. |
|                     |                          |  |                        | It is not a requirement to specify anything in DE3413, if DE3139 is used.  |
|                     | 3412                     | <b>Department or employee</b>                | <b>C an..35</b>        | <b>R</b>   |
|                     |                          |  |                        | Specify the name of the contact person e.g. PETER SMITH  |
|                     |                          |  |                        | A contact name must be present when DE3139 is used.  |

**Segment:** **COM** Communication Contact  
**Position:** 0230  
**Group:** SG2-SG5  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment to identify a communications type and number for the contact specified in the CTA segment.

**Notes:** This segment identifies the communications number, and type of communications, for the person or department identified in the preceding CTA segment.

Example :

COM+0044715632478:TE'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                     | <u>Base Attributes</u>   | <u>User Attributes</u> |
|---------------------|--------------------------|---------------------------------|--|------------------------|
| C076                |                          | COMMUNICATION CONTACT           | M  | M                      |
|                     | 3148                     | Communication number            | M an..512  | M                      |
|                     | 3155                     | Communication channel qualifier | M an..3  | M                      |
|                     |                          | <i>EM</i>                       | <i>Electronic mail</i>   |                        |
|                     |                          | <i>FX</i>                       | <i>Telefax</i>   |                        |
|                     |                          | <i>TE</i>                       | <i>Telephone</i>   |                        |
|                     |                          |                                 | business hours   |                        |
|                     |                          | <i>ZZZ</i>                      | <i>after hours telephone number</i>                                |                        |
|                     |                          |                                 | Optional for Retail. Not a currently supported code in UN/EDIFACT. |                        |

**Group:** **CUX** Segment Group 7: Currencies  
**Position:** 0280  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions.

**Segment Summary**

|   | <b>Pos.<br/>No.</b> | <b>Seg.<br/>ID</b> | <b>Name</b> | <b>Req.<br/>Des.</b> | <b>Max.<br/>Use</b> | <b>Group:<br/>Repeat</b> |
|---|---------------------|--------------------|-------------|----------------------|---------------------|--------------------------|
| M | 0290                | CUX                | Currencies  | M                    | 1                   |                          |

**Segment:** **CUX** Currencies  
**Position:** 0290 (Trigger Segment)  
**Group:** SG7  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.  
**Notes:** The Hardware Industry Business Rule:-

- It is recommended that the use of this segment is ONLY for use when trading with New Zealand partners.

- It is NOT recommended for Australian domestic transactions.

This segment is used to specify currency information for the complete order.

The CUX segment may be omitted for national exchanges.  
 The CUX segment is mandatory for international exchanges.

This segment is used to specify the currencies for international ordering.

When specifying Reference and Target Currencies for international trade, one occurrence of CUX is all that is required. The reference currency is identified in the first occurrence of composite C504, with the target currency specified in the second occurrence of C504. The rate of exchange between the two is detailed in DE 5402.

The general rule for calculating the rate of exchange is as follows:

Reference Currency multiplied by Rate = Target Currency.

Example :

CUX+2:GBP:9'

Indicates that the order currency is Pounds Sterling.

CUX+2:GBP:9+3:BEF:4+48.50'

Indicates that the order currency is Pounds Sterling and the invoicing currency is Belgian Francs with a rate of exchange of 48.50 Belgian Francs to 1 Pound Sterling.

Dependency Notes :

DE C504: the second occurrence of this composite is only used if a target currency is being specified.

DE 5402: The rate of exchange is only used if a target currency has been identified in the second occurrence of C504.

**Data Element Summary**

| <u>Data Element</u>                     | <u>Component Element</u> | <u>Name</u>                | <u>Base Attributes</u> | <u>User Attributes</u> |
|---|--------------------------|----------------------------|------------------------|------------------------|
| C504                                    | 6347                     | CURRENCY DETAILS           | C                      | R                      |
|   |                          | Currency details qualifier | M an..3                | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST |                          |                            |                        |                        |
|   | 2                        | <i>Reference currency</i>  |                        |                        |
|   | 6345                     | Currency, coded            | C an..3                | R                      |
|   |                          | ISO 4217 three alpha.      |                        |                        |

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|   |             | Specify the code for New Zealand currency i.e. NZD |                       |          |
|---|-------------|--|-----------------------|----------|
|   | <b>6343</b> | <b>Currency qualifier</b>                          | <b>C an..3</b>        | <b>R</b> |
| THIS HAS AN EANCOM RESTRICTED CODE LIST |             |  |                       |          |
|   |             | <i>9</i>   | <i>Order currency</i> |          |
| <b>C504</b>                             | <b>6348</b> | <b>Currency rate base</b>                          | <b>C n..4</b>         | <b>X</b> |
|   |             | <b>CURRENCY DETAILS</b>                            | <b>C</b>              | <b>X</b> |
|   | <b>6347</b> | <b>Currency details qualifier</b>                  | <b>M an..3</b>        | <b>X</b> |
|   | <b>6345</b> | <b>Currency, coded</b>                             | <b>C an..3</b>        | <b>X</b> |
|   | <b>6343</b> | <b>Currency qualifier</b>                          | <b>C an..3</b>        | <b>X</b> |
|   | <b>6348</b> | <b>Currency rate base</b>                          | <b>C n..4</b>         | <b>X</b> |
| <b>5402</b>                             |             | <b>RATE OF EXCHANGE</b>                            | <b>C n..12</b>        | <b>X</b> |
| <b>6341</b>                             |             | <b>CURRENCY MARKET EXCHANGE, CODED</b>             | <b>C an..3</b>        | <b>X</b> |

**Group:** **PAC** Segment Group 12: Package  
**Position:** 0450  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments identifying the packaging, physical dimensions and marks and numbers for goods referenced by the whole order.  
**Notes:** PAC + PCI groups: Optional for Retail.

**Segment Summary**

|   | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>                              | <u>Req. Des.</u> | <u>Max. Use</u> | <u>Group: Repeat</u> |
|---|-----------------|----------------|--|------------------|-----------------|----------------------|
| M | 0460            | PAC            | Package                                  | M                | 1               |                      |
|   | 0480            |                | Segment Group 13: Package Identification | C                |                 | 5                    |

**Segment:** **PAC** Package  
**Position:** 0460 (Trigger Segment)  
**Group:** SG12  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying the number and type of packages for the whole order e.g. number and type of pallets.

**Notes:** Example :

PAC+1++CS'

This order comprises of 1 case. This is to trigger the PCI SG which has labelling instructions for the case.

Dependency notes :

Composite C532 is only used where the packaging being described is returnable. This composite identifies who is responsible for payment of its return.

DE 3055: Code 9 in this data element is used only when EAN codes are used in DE 7065

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u>                                   | <u>User Attributes</u> |
|---------------------|--------------------------|---|--|------------------------|
| 7224                |                          | NUMBER OF PACKAGES  | C n..8   | O                      |
| C531                |                          | PACKAGING DETAILS   | C  | X                      |
|                     | 7075                     | Packaging level, coded  | C an..3  | X                      |
|                     | 7233                     | Packaging related information, coded  | C an..3  | X                      |
|                     | 7073                     | Packaging terms and conditions, coded   | C an..3  | X                      |
| C202                |                          | PACKAGE TYPE  | C  | O                      |
|                     | 7065                     | Type of packages identification   | C an..17   | R                      |
|                     |                          | <i>CS</i>   |  |                        |
|                     |                          | <i>Case</i>   |  |                        |
|                     |                          | A package such as a box for the purpose of indicating the packaging type. CS is used when trade units are being ordered. Segment needed to trigger PCI.                                   |  |                        |
|                     |                          | <i>NE</i>   |  |                        |
|                     |                          | <i>Unpacked or unpackaged</i>   |  |                        |
|                     |                          | A product merchandised or sold without packaging. For the purpose of indicating that single units or eaches are being ordered. NE is recommended for use even when EAN numbers specified. |  |                        |
|                     | 1131                     | Code list qualifier   | C an..3  | X                      |
|                     | 3055                     | Code list responsible agency, coded   | C an..3  | O                      |
|                     |                          | 9   | <i>EAN (International Article Numbering association)</i> |                        |
|                     | 7064                     | Type of packages  | C an..35   | X                      |
| C402                |                          | PACKAGE TYPE IDENTIFICATION   | C  | X                      |
|                     | 7077                     | Item description type, coded  | M an..3  | X                      |
|                     | 7064                     | Type of packages  | M an..35   | X                      |
|                     | 7143                     | Item number type, coded   | C an..3  | X                      |
|                     | 7064                     | Type of packages  | C an..35   | X                      |
|                     | 7143                     | Item number type, coded   | C an..3  | X                      |
| C532                |                          | RETURNABLE PACKAGE DETAILS  | C  | D                      |
|                     | 8395                     | Returnable package freight payment responsibility, coded  | C an..3  | O                      |
|                     | 8393                     | Returnable package load contents, coded   | C an..3  | X                      |

**Group:** **PCI** Segment Group 13: Package Identification  
**Position:** 0480  
**Group:** Segment Group 12 (Package) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A group of segments specifying the markings and labels on individual physical units.

**Segment Summary**

|   | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>            | <u>Req. Des.</u> | <u>Max. Use</u> | <u>Group: Repeat</u> |
|---|-----------------|----------------|------------------------|------------------|-----------------|----------------------|
| M | 0490            | PCI            | Package Identification | M                | 1               |                      |

**Segment:** **PCI** Package Identification  
**Position:** 0490 (Trigger Segment)  
**Group:** SG12-SG13  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying markings and labels used on individual physical units (packages) described in the PAC segment.  
**Notes:** This segment is used to provide markings and label information relevant to the packaging unit and level identified in the PAC segment.

EXAMPLE :

PCI+16+NEWLINE:TOYSDEPT'

Instruction to the supplier to mark "New Lines" on the case with the department name "Toys".

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 4233                |                          | MARKING INSTRUCTIONS, CODED<br>16<br><i>Buyer's instructions</i>               | C an..3                | O                      |
| C210                |                          | MARKS & LABELS   | C                      | O                      |
|                     | 7102                     | Shipping marks<br>Used by CML.. Code type (NL or AD ddmm or ZZ for label).     | M an..35               | M                      |
|                     | 7102                     | Shipping marks<br>Used by CML.. Department description (to go on Carton label) | C an..35               | O                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
|                     | 7102                     | Shipping marks   | C an..35               | X                      |
| 8275                |                          | CONTAINER/PACKAGE STATUS, CODED  | C an..3                | X                      |
| C827                |                          | TYPE OF MARKING  | C                      | X                      |
|                     | 7511                     | Type of marking, coded   | M an..3                | X                      |
|                     | 1131                     | Code list qualifier  | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded  | C an..3                | X                      |

**Group:** **LIN** Segment Group 25: Line Item  
**Position:** 0930  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 200000  
**Purpose:** A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

**Segment Summary**

|   | <b>Pos.</b> | <b>Seg.</b> |   | <b>Req.</b> | <b>Max.</b> | <b>Group:</b> |
|---|-------------|-------------|---|-------------|-------------|---------------|
|   | <b>No.</b>  | <b>ID</b>   | <b>Name</b>                                     | <b>Des.</b> | <b>Use</b>  | <b>Repeat</b> |
| M | 0940        | LIN         | Line Item                                       | M           | 1           |               |
| D | 0950        | PIA         | Additional Product Id                           | C           | 25          |               |
| O | 0960        | IMD         | Item Description                                | C           | 99          |               |
| O | 0970        | MEA         | Measurements                                    | C           | 5           |               |
| R | 0980        | QTY         | Quantity  | C           | 10          |               |
| O | 1010        | DTM         | Date/Time/Period                                | C           | 35          |               |
| O | 1080        | FTX         | Free Text                                       | C           | 99          |               |
|   | 1180        |             | Segment Group 28: Price Details                 | C           |             | 25            |
|   | 1240        |             | Segment Group 29: Reference                     | C           |             | 10            |
|   | 1270        |             | Segment Group 30: Package                       | C           |             | 10            |
|   | 1400        |             | Segment Group 33: Place/Location Identification | C           |             | 9999          |
|   | 1440        |             | Segment Group 34: Duty/Tax/Fee Details          | C           |             | 10            |
|   | 1480        |             | Segment Group 35: Name and Address              | C           |             | 99            |

**Segment:** **LIN** Line Item  
**Position:** 0940 (Trigger Segment)  
**Group:** SG25  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers e.g. Buyer product number, etc. can be specified within the following PIA segment.

**Notes:** This segment is used to identify the item being ordered.

The detail section of the Purchase Order is formed by a repeating group of segments, always starting with the LIN segment.

Example :

LIN+1++9312345111114:EN'  
 LIN+2++09312345222223:EN'

It is required that the full number, including any leading zeros be represented for the item number.

LIN+3'

The example above is where a non-EAN number is used. This would trigger the use of the PIA segment for additional product Id.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u>   | <u>User Attributes</u> |
|---------------------|--------------------------|--|--|------------------------|
| 1082                |                          | <b>LINE ITEM NUMBER</b>  | C n..6   | R                      |
|                     |                          | Application generated number of the count of the order lines.  |  |                        |
| 1229                |                          | <b>ACTION REQUEST/NOTIFICATION, CODED</b>  | C an..3  | X                      |
| C212                |                          | <b>ITEM NUMBER IDENTIFICATION</b>  | C  | D                      |
|                     | 7140                     | <b>Item number</b>   | C an..35   | R                      |
|                     |                          | Format n..14<br>EAN/UCC-8, UCC-12, EAN/UCC-13 or EAN/UCC-14 - this is the number of the article being ordered. |  |                        |
|                     |                          | If non-EAN/UCC numbers are used, then it is recommended that the PIA segment is used.                          |  |                        |
|                     | 7143                     | <b>Item number type, coded</b>   | C an..3  | R                      |
|                     |                          | <i>EN</i>  | <i>International Article Numbering Association (EAN)</i>   |                        |
|                     |                          |  | This code is likely to migrate to "EU" - EAN.UCC Global Trade Item Number (GTIN) in subsequent MIG versions. |                        |
|                     | 1131                     | <b>Code list qualifier</b>   | C an..3  | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b>   | C an..3  | X                      |
| C829                |                          | <b>SUB-LINE INFORMATION</b>  | C  | O                      |
|                     |                          | Optionally used by the Timber industry, see preamble. May be used to order kit assemblies.                     |  |                        |
|                     | 5495                     | <b>Sub-line indicator, coded</b>   | C an..3  | R                      |
|                     |                          | <i>1</i>   | <i>Sub-line information</i>  |                        |
|                     | 1082                     | <b>Line item number</b>  | C n..6   | R                      |
|                     |                          | Line item number of the line item this subline belongs to.   |  |                        |
| 1222                |                          | <b>CONFIGURATION LEVEL</b>   | C n..2   | X                      |
| 7083                |                          | <b>CONFIGURATION, CODED</b>  | C an..3  | X                      |

**Segment:** **PIA** Additional Product Id  
**Position:** 0950  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Dependent)  
**Max Use:** 25  
**Purpose:** A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.  
**Notes:** This segment is used to specify additional or substitutional item identification codes such as a buyers, or sellers item number.

DE 4347: Product Id function coded has the following restricted coded functions:

1 - Additional Identification - To provide an additional identity for the product identified in the LIN segment. The additional identification can consist of :

A supplemental identification which provides more information complementary to the main article number provided in the LIN segment, e.g., a batch number, promotional variant number, product group number, etc.

An alternative identification which may be used instead of the main article number provided in the LIN segment, e.g., a buyers article number etc.

5 - Product Identification - To provide an additional product identification which is of equal importance or significance to the code provided in the LIN segment. EAN/UPC article number should not be used in conjunction with this code value. It should be noted that when this code is used, the product code specified here is the code which should be used for invoicing purposes

Examples :

PIA+1+ABC1234:IN'

In this example the PIA segment is used to provide an additional identification to the article number provided in the LIN segment. The EAN article number 541234511115 provided in the LIN segment refers to the internal buyers part number ABC1234.

PIA+5+RA141S-R:SA"

This example details the supplier item code RA141S-R which is provided as the primary product code because no EAN/UCC item number was provided in the LIN segment.

Dependency rule: If the LIN segment is not used for product id using the EAN GTIN, then an alternative coded identifier must be used in the PIA.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                    | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--------------------------------|------------------------|------------------------|
| 4347                |                          | PRODUCT ID. FUNCTION QUALIFIER | M an..3                | M                      |

THIS HAS AN EANCOM RESTRICTED CODE LIST

*1*

**Additional identification**

Code 1 is used when an EAN/UCC number has been specified in the LIN segment.

The use of Code 1 is to give additional information to assist in "trouble-shooting" e.g. buyer's product id number or where a secondary EAN/UCC number is also associated with the primary

|      |      |  |  |
|------|------|--|--|
|      |      |  | EAN/UCC number specified in the LIN segment. A secondary EAN/UCC number would arise were a product is manufactured in two or more countries and each carrying a different EAN/UCC number e.g. camera film. |
|      | 5    | <b>Product identification</b>                  | Use Code 5 when there is no EAN/UCC number specified in the LIN segment and a non-EAN/UCC code will be used to referenced the item.  |
|      | 9    | <b>No substitution accepted (EAN Code)</b>     | Used to enforce order of the specific item and override any usual default substitution arrangements.   |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>              | M M  |
|      | 7140 | <b>Item number</b>                             | C an..35 R   |
|      |      | E.g. Model Number or Model Code                |  |
|      | 7143 | <b>Item number type, coded</b>                 | C an..3 R  |
|      |      | <b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b> |  |
|      |      | <i>EN</i>                                      | <b>International Article Numbering Association (EAN)</b>   |
|      |      |  | Code EN is used when a secondary EAN/UCC number is specified in DE7140, relative to the qualifier used in DE4347.  |
|      |      | <i>IN</i>                                      | <b>Buyer's item number</b>   |
|      |      | <i>SA</i>                                      | <b>Supplier's article number</b>   |
|      | 1131 | <b>Code list qualifier</b>                     | C an..3 X  |
|      | 3055 | <b>Code list responsible agency, coded</b>     | C an..3 O  |
|      |      | 9  | <b>EAN (International Article Numbering association)</b>   |
|      |      | 91   | <b>Assigned by seller or seller's agent</b>  |
|      |      | 92   | <b>Assigned by buyer or buyer's agent</b>  |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>              | C X  |
|      | 7140 | <b>Item number</b>                             | C an..35 X   |
|      | 7143 | <b>Item number type, coded</b>                 | C an..3 X  |
|      | 1131 | <b>Code list qualifier</b>                     | C an..3 X  |
|      | 3055 | <b>Code list responsible agency, coded</b>     | C an..3 X  |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>              | C X  |
|      | 7140 | <b>Item number</b>                             | C an..35 X   |
|      | 7143 | <b>Item number type, coded</b>                 | C an..3 X  |
|      | 1131 | <b>Code list qualifier</b>                     | C an..3 X  |
|      | 3055 | <b>Code list responsible agency, coded</b>     | C an..3 X  |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>              | C X  |
|      | 7140 | <b>Item number</b>                             | C an..35 X   |
|      | 7143 | <b>Item number type, coded</b>                 | C an..3 X  |
|      | 1131 | <b>Code list qualifier</b>                     | C an..3 X  |
|      | 3055 | <b>Code list responsible agency, coded</b>     | C an..3 X  |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>              | C X  |
|      | 7140 | <b>Item number</b>                             | C an..35 X   |
|      | 7143 | <b>Item number type, coded</b>                 | C an..3 X  |
|      | 1131 | <b>Code list qualifier</b>                     | C an..3 X  |
|      | 3055 | <b>Code list responsible agency, coded</b>     | C an..3 X  |

**Segment:** **IMD** Item Description  
**Position:** 0960  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** A segment for describing the product or service being ordered as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.

**Notes:** The Hardware Industry Business Rule is;  
 - This segment is optional.  
 - This segment is used to provide additional product information.

This segment is used to describe the current line item.

It is recommended that this segment only be used for coded descriptions. Data element 7008 in clear text should only be used when no product code is available or when free-form descriptions are required by trading partners.

If both free-form and coded descriptions are required then the IMD segment must be repeated.

Example :

IMD++++:U BEAUT HAIR DRYER 600 WATTS'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 7077                |                          | ITEM DESCRIPTION TYPE, CODED   | C an..3                | O                      |
|                     | C                        | <i>Code (from industry code list)</i>  |                        |                        |
|                     | F                        | <i>Free-form</i>   |                        |                        |
| 7081                |                          | ITEM CHARACTERISTIC, CODED   | C an..3                | O                      |
|                     |                          | Used to nominate attributes of kit components, in conjunction with 7009 and/or 7008.   |                        |                        |
|                     | 4                        | <i>Finish</i>  |                        |                        |
|                     | 27                       | <i>Material</i>  |                        |                        |
|                     | 35                       | <i>Colour</i>  |                        |                        |
|                     | 38                       | <i>Grade</i>   |                        |                        |
|                     | 44                       | <i>Further Identifying Characteristic</i>  |                        |                        |
|                     | 54                       | <i>Section profile</i>   |                        |                        |
|                     | 98                       | <i>Size</i>  |                        |                        |
|                     | 126                      | <i>Pattern</i>   |                        |                        |
|                     | 132                      | <i>Fabric</i>  |                        |                        |
|                     | F01                      | <i>1st attribute</i>   |                        |                        |
|                     |                          | Species  |                        |                        |
|                     | F02                      | <i>2nd attribute</i>   |                        |                        |
|                     |                          | Condition / dryness  |                        |                        |
|                     | F03                      | <i>3rd attribute</i>   |                        |                        |
|                     |                          | Treatment  |                        |                        |
|                     | F04                      | <i>4th attribute</i>   |                        |                        |
|                     |                          | Profile  |                        |                        |
|                     | F05                      | <i>5th attribute</i>   |                        |                        |
|                     |                          | Value - added  |                        |                        |
|                     | F06                      | <i>6th attribute</i>   |                        |                        |
|                     |                          | Other attribute as defined by trading partners.  |                        |                        |
|                     |                          | Timber: pack type "full", "half". Industry and/or trading partner agreed codes for these values in 7009, alternatively use 7008 description. |                        |                        |

Hardware Industry EDI Message Implementation Guidelines

|             |             |  |                 |          |
|-------------|-------------|--|-----------------|----------|
|             | <b>F07</b>  | <b>7th attribute</b>   |                 |          |
|             | <b>F08</b>  | <b>Timber use: Pack Tally Type</b>   |                 |          |
|             | <b>F09</b>  | <b>Other attribute as defined by trading partners</b>  |                 |          |
|             | <b>F10</b>  | <b>Other attribute as defined by trading partners</b>  |                 |          |
|             | <b>STE</b>  | <b>Style (EAN Code)</b>  |                 |          |
|             | <b>TPE</b>  | <b>Article type (EAN Code)</b>   |                 |          |
| <b>C273</b> |             | <b>ITEM DESCRIPTION</b>  | <b>C</b>        | <b>R</b> |
|             | <b>7009</b> | <b>Item description identification</b>   | <b>C an..17</b> | <b>O</b> |
|             |             | May contain codes from industry or manufacturer code lists. (Note: standard coding for timber attributes has not yet been agreed). |                 |          |
|             |             | <b>BA</b>  |                 |          |
|             |             | <b>Base article (EAN Code)</b>   |                 |          |
|             |             | Used to flag the kit assembly as the base article. Components of the kit are then listed as sub-lines to the kit line item.        |                 |          |
|             |             | <b>CU</b>  |                 |          |
|             |             | <b>Consumer unit (EAN Code)</b>  |                 |          |
|             |             | <b>MA</b>  |                 |          |
|             |             | <b>Mandatory (EAN Code)</b>  |                 |          |
|             |             | Used to flag a component of a kit assembly as mandatory. All mandatory components must be flagged.                                 |                 |          |
|             | <b>1131</b> | <b>Code list qualifier</b>   | <b>C an..3</b>  | <b>X</b> |
|             | <b>3055</b> | <b>Code list responsible agency, coded</b>   | <b>C an..3</b>  | <b>O</b> |
|             |             | Optional for Retail.   |                 |          |
|             |             | <b>9</b>   |                 |          |
|             |             | <b>EAN (International Article Numbering association)</b>   |                 |          |
|             | <b>7008</b> | <b>Item description</b>  | <b>C an..35</b> | <b>R</b> |
|             |             | Specify the description of the item.   |                 |          |
|             | <b>7008</b> | <b>Item description</b>  | <b>C an..35</b> | <b>O</b> |
|             |             | Use the second iteration of DE7008 if details cannot be specified in total in the first occurrence of DE7008.                      |                 |          |
|             | <b>3453</b> | <b>Language, coded</b>   | <b>C an..3</b>  | <b>X</b> |
| <b>7383</b> |             | <b>SURFACE/LAYER INDICATOR, CODED</b>  | <b>C an..3</b>  | <b>X</b> |

**Segment:** **MEA** Measurements  
**Position:** 0970  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment enabling the physical measurements of the ordered item to be specified where this is required for full identification of the product. Any measurements must refer to the product in its unpacked form e.g. thickness of plastic film, length, weight, etc.  
**Notes:** This segment is used to specify the actual physical dimensions of the product being ordered where that product is sold in variable lengths or volumes.

This segment must be used in conjunction with the LIN segment for the precise identification of the ordered product.

Example:

MEA+PD+LAY+NAR:5'  
 MEA+PD+ULY+NAR:20'

For the particular item number eg, 0931234522223, the number of EAN-14s on a layer of 20 and the number of layers making up the pallet 5. Totalling 100 EAN-14s on a pallet being ordered.

Segment is Optional for Retail; used largely by Woolworths for pallet dimensions. May also be used for timber dimensions (see examples in preamble).

Timber:  
 When ordering variable cut to length timber pack items, use this MEA segment at the line level to specify piece length required e.g.:  
 MEA+PD+LN+PCE:1.25. This will always be interpreted in MTR (metres).

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 6311                |                          | MEASUREMENT APPLICATION QUALIFIER                           | M an..3                | M                      |
|                     |                          | <i>PD Physical dimensions (product ordered)</i>             |                        |                        |
| C502                | 6313                     | MEASUREMENT DETAILS   | C                      | R                      |
|                     |                          | Measurement dimension, coded                                | C an..3                | R                      |
|                     |                          | <i>AAW Gross volume</i>                                     |                        |                        |
|                     |                          | <i>AAX Net volume</i>                                       |                        |                        |
|                     |                          | <i>LAY Number of layers (EAN Code)</i>                      |                        |                        |
|                     |                          | Used by Woolworths for specifying the pallet configuration. |                        |                        |
|                     |                          | <i>LN Length dimension</i>                                  |                        |                        |
|                     |                          | <i>TH Thickness</i>   |                        |                        |
|                     |                          | <i>ULY Number of units per layer (EAN Code)</i>             |                        |                        |
|                     |                          | Used by Woolworths for specifying the pallet configuration. |                        |                        |
|                     |                          | <i>WD Width dimension</i>                                   |                        |                        |
|                     | 6321                     | Measurement significance, coded                             | C an..3                | X                      |
|                     | 6155                     | Measurement attribute, coded                                | C an..3                | X                      |
|                     | 6154                     | Measurement attribute                                       | C an..70               | X                      |
| C174                |                          | VALUE/RANGE   | C                      | R                      |
|                     | 6411                     | Measure unit qualifier                                      | M an..3                | M                      |
|                     |                          | <i>EA Each</i>  |                        |                        |
|                     |                          | <i>GRM Gram</i>   |                        |                        |
|                     |                          | <i>KGM Kilogram</i>   |                        |                        |
|                     |                          | <i>LTR Litre (1 dm<sup>3</sup>)</i>                         |                        |                        |
|                     |                          | <i>MTK Square metre</i>                                     |                        |                        |
|                     |                          | <i>MTQ Cubic metre</i>                                      |                        |                        |

Hardware Industry EDI Message Implementation Guidelines

|             |                                       |                                   |                |          |
|-------------|---------------------------------------|-----------------------------------|----------------|----------|
|             | <b><i>MTR</i></b>                     | <b><i>Metre</i></b>               |                |          |
|             | <b><i>NAR</i></b>                     | <b><i>Number of articles</i></b>  |                |          |
|             |                                       | Used with 6313 = LAY or ULY only. |                |          |
|             | <b><i>PCE</i></b>                     | <b><i>Piece</i></b>               |                |          |
|             | <b><i>TNE</i></b>                     | <b><i>Metric ton (1000kg)</i></b> |                |          |
| <b>6314</b> | <b>Measurement value</b>              |                                   | <b>C n..18</b> | <b>R</b> |
| <b>6162</b> | <b>Range minimum</b>                  |                                   | <b>C n..18</b> | <b>X</b> |
| <b>6152</b> | <b>Range maximum</b>                  |                                   | <b>C n..18</b> | <b>X</b> |
| <b>6432</b> | <b>Significant digits</b>             |                                   | <b>C n..2</b>  | <b>X</b> |
| <b>7383</b> | <b>SURFACE/LAYER INDICATOR, CODED</b> |                                   | <b>C an..3</b> | <b>X</b> |

**Segment:** **QTY** Quantity  
**Position:** 0980  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 10  
**Purpose:** A segment identifying the product quantities e.g. ordered quantity.  
**Notes:** This segment is used to specify the total quantity ordered for the current line identified in the LIN segment.

If split deliveries are being used, the quantities for the split delivery are specified in segment group 33. The totals for all quantities expressed in the QTY's at segment group level must equal the value in this QTY segment.

Example :

QTY+21:200'

Dependency Notes :

DE 6411: This DE is only used if the product ordered is a variable quantity product.

**Data Element Summary**

| <u>Data Element</u>                     | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u>  | <u>User Attributes</u> |
|---|--------------------------|--|---|------------------------|
| C186                                    | 6063                     | QUANTITY DETAILS                                       | M   | M                      |
|   |                          | Quantity qualifier                                     | M an..3   | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST |                          |  |   |                        |
|   |                          | 21 <i>Ordered quantity</i>                             |   |                        |
|   |                          |  | This quantity relates to the article identified in the LIN or PIA segments and is explicit to how the item is configured by the product's identification number.  |                        |
|   |                          | 59 <i>Numbers of consumer units in the traded unit</i> |   |                        |
|   |                          |  | Used by Woolworths and Kmart. Optional for Retail.  |                        |
|   |                          | 145 <i>Actual stock</i>                                |   |                        |
|   |                          |  | Subject to a CR being approved by EAN International. This code is used to inform the supplier of the stock on hand quantity at the buyer's warehouse at the time the purchase order is being raised. Optional for Retail. |                        |
|   | 6060                     | Quantity   | M n..15   | M                      |
|   |                          |  | For split deliveries to different locations this data will be the total quantity or sum of the split quantities.  |                        |
|   | 6411                     | Measure unit qualifier                                 | C an..3   | O                      |
|   |                          | EA <i>Each</i>   |   |                        |
|   |                          | GRM <i>Gram</i>  |   |                        |
|   |                          | KGM <i>Kilogram</i>                                    |   |                        |
|   |                          | LTR <i>Litre (1 dm3)</i>                               |   |                        |
|   |                          | MTK <i>Square metre</i>                                |   |                        |
|   |                          | MTQ <i>Cubic metre</i>                                 |   |                        |
|   |                          | MTR <i>Metre</i>                                       |   |                        |
|   |                          | NAR <i>Number of articles</i>                          |   |                        |
|   |                          | PCE <i>Piece</i>                                       |   |                        |
|   |                          | TNE <i>Metric ton (1000kg)</i>                         |   |                        |

**Segment:** **DTM** Date/Time/Period  
**Position:** 1010  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 35  
**Purpose:** A segment specifying date/time/period details relating to the line item only.  
**Notes:** The Hardware Industry Business Rule for this segment is;

- This segment is optional
- This segment is to provide for staggered deliveries for each line ordered.
- The date specified at LIN will override the date at header level.
- If no date is specified then the header level date is effective.

This DTM segment is used to specify the dates (and possibly times) associated with the delivery or collection of the current referenced product.

Example :

DTM+2:19930910:102'

This example requests delivery on the 10th of September 1993.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u>                | <u>Name</u>                                    | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|---|--|------------------------|------------------------|
| C507                | 2005                                    | DATE/TIME/PERIOD                               | M                      | M                      |
|                     |   | Date/time/period qualifier                     | M an..3                | M                      |
|                     | THIS HAS AN EANCOM RESTRICTED CODE LIST |  |                        |                        |
|                     | 2                                       | <i>Delivery date/time, requested</i>           |                        |                        |
| 2380                |   | Date/time/period                               | C an..35               | R                      |
|                     |   | This is the date for the line to be delivered. |                        |                        |
| 2379                |   | Date/time/period format qualifier              | C an..3                | R                      |
|                     |   | 102  | CCYYMMDD               |                        |

**Segment:** **FTX** Free Text  
**Position:** 1080  
**Group:** SG25  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

**Notes:** The Hardware Industry Business Rule for this segment is:  
 - The use of this segment is optional  
 - This use of this segment is to specify text literal details about the item which cannot be specified elsewhere in the detail of the message.  
 - It is recommended that all product description should be specified in the IMD segment, if there is no EAN/UCC number to reference it.

This segment is used to specify any special requirements for the current line item.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example :

FTX+PUR++LEAVE WRAPPER ON ITEM ORDERED'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 4451                |                          | TEXT SUBJECT QUALIFIER<br><i>PRD</i> Product information<br>Optional for Retail | M an..3                | M                      |
| 4453                |                          | TEXT FUNCTION, CODED<br><i>PUR</i> Purchasing information                       | C an..3                | X                      |
| C107                |                          | TEXT REFERENCE  | C                      | X                      |
|                     | 4441                     | Free text, coded  | M an..3                | X                      |
|                     | 1131                     | Code list qualifier   | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded   | C an..3                | X                      |
| C108                |                          | TEXT LITERAL  | C                      | R                      |
|                     | 4440                     | Free text   | M an..70               | M                      |
|                     | 4440                     | Free text   | C an..70               | X                      |
|                     | 4440                     | Free text   | C an..70               | X                      |
|                     | 4440                     | Free text   | C an..70               | X                      |
|                     | 4440                     | Free text   | C an..70               | X                      |
| 3453                |                          | LANGUAGE, CODED   | C an..3                | X                      |

**Group:** **PRI** Segment Group 28: Price Details  
**Position:** 1180  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 25  
**Purpose:** A group of segments identifying the relevant pricing information for the goods or services ordered.  
**Notes:** The Hardware industry business rule is the same as the Retail industry, i.e. price is mandatory in the Purchase Order.

**Segment Summary**

|   | <b>Pos.<br/>No.</b> | <b>Seg.<br/>ID</b> | <b>Name</b>   | <b>Req.<br/>Des.</b> | <b>Max.<br/>Use</b> | <b>Group:<br/>Repeat</b> |
|---|---------------------|--------------------|---------------|----------------------|---------------------|--------------------------|
| M | 1190                | PRI                | Price Details | M                    | 1                   |                          |

**Segment:** **PRI Price Details**  
**Position:** 1190 (Trigger Segment)  
**Group:** SG25-SG28  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'.  
**Notes:** This segment is used to detail the price for the current product identified in the LIN segment.  
 Example:  
 PRI+AAA:1299.50'  
 The example is where the price of the item being ordered is reported at \$1299.50, which does not include GST.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| C509                |                          | <b>PRICE INFORMATION</b>  | C                      | R                      |
|                     | 5125                     | <b>Price qualifier</b><br>AAA   | M an..3                | M                      |
|                     |                          | <i>Calculation net</i><br>NET EXCLUDING GST.<br><br>The Hardware Industry recommends the use of Code AAA in the Purchase Order.<br><br>The price stated in the net price including allowances/charges and excluding taxes.<br><br>The price stated does not include Goods and Services Tax. |                        |                        |
|                     |                          | <i>NTP</i><br><i>Calculation net - including taxes (EAN Code)</i><br>NET INCLUDING GST.<br><br>The price stated is the net price including allowances and charges, AND including taxes.   |                        |                        |
|                     | 5118                     | <b>Price</b><br>Expected cost price   | C n..15                | R                      |
|                     | 5375                     | <b>Price type, coded</b><br>RN  | C an..3                | O                      |
|                     |                          | <i>Rounded up</i><br>Cut to length timber item price has been rounded up to the next set length.  |                        |                        |
|                     | 5387                     | <b>Price type qualifier</b><br>Optional for Retail.   | C an..3                | O                      |
|                     |                          | <i>AAL</i><br><i>Old price</i><br>Previous price (optional for Retail).   |                        |                        |
|                     |                          | <i>CU</i><br><i>Consumer unit</i><br>Price is the price of the consumer unit. May be used by Retail.  |                        |                        |
|                     |                          | <i>RTP</i><br><i>Retail price</i>   |                        |                        |
|                     |                          | <i>TU</i><br><i>Traded unit</i><br>The price applies to the traded unit. May be used by Retail.   |                        |                        |
|                     | 5284                     | <b>Unit price basis</b>   | C n..9                 | O                      |
|                     | 6411                     | <b>Measure unit qualifier</b>   | C an..3                | O                      |
|                     |                          | <i>EA</i><br><i>Each</i>  |                        |                        |
|                     |                          | <i>GRM</i><br><i>Gram</i>   |                        |                        |
|                     |                          | <i>KGM</i><br><i>Kilogram</i>   |                        |                        |
|                     |                          | <i>LTR</i><br><i>Litre (1 dm3)</i>  |                        |                        |

Hardware Industry EDI Message Implementation Guidelines

|             |                                     |                            |          |              |          |
|-------------|-------------------------------------|----------------------------|----------|--------------|----------|
|             | <i>MTK</i>                          | <i>Square metre</i>        |          |              |          |
|             | <i>MTQ</i>                          | <i>Cubic metre</i>         |          |              |          |
|             | <i>MTR</i>                          | <i>Metre</i>               |          |              |          |
|             | <i>NAR</i>                          | <i>Number of articles</i>  |          |              |          |
|             | <i>PCE</i>                          | <i>Piece</i>               |          |              |          |
|             | <i>TNE</i>                          | <i>Metric ton (1000kg)</i> |          |              |          |
| <b>5213</b> | <b>SUB-LINE PRICE CHANGE, CODED</b> |                            | <b>C</b> | <b>an..3</b> | <b>X</b> |

**Group:** **RFF** Segment Group 29: Reference  
**Position:** 1240  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments giving references and where necessary, their dates, relating to the line item.

**Segment Summary**

|   | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max. Use</u> | <u>Group: Repeat</u> |
|---|-----------------|----------------|-------------|------------------|-----------------|----------------------|
| M | 1250            | RFF            | Reference   | M                | 1               |                      |

**Segment:** **RFF** Reference  
**Position:** 1250 (Trigger Segment)  
**Group:** SG25-SG29  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.

**Notes:** This segment is used to identify references associated with the line item. This information may override what is specified in the heading section when the same qualifier is used. This segment may also be used to allocate a unique reference number to this line item in this order.

Example :

RFF+PD:AUG98RNG04'

Reference promotional deal number 'AUG98RNG04

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u>       | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------------|------------------------|
| C506                |                          | REFERENCE  | M                            | M                      |
|                     | 1153                     | Reference qualifier  | M an..3                      | M                      |
|                     |                          | THIS HAS AN EANCOM RESTRICTED CODE LIST.                                       |                              |                        |
|                     |                          | <i>PD</i>  | <i>Promotion deal number</i> |                        |
|                     |                          | <i>SE</i>  | <i>Serial number</i>         |                        |
|                     |                          | Optionally used by timber in sub-line to identify required pack serial number. |                              |                        |
|                     | 1154                     | Reference number   | C an..35                     | R                      |
|                     | 1156                     | Line number  | C an..6                      | X                      |
|                     | 4000                     | Reference version number   | C an..35                     | X                      |

**Group:** **PAC** Segment Group 30: Package  
**Position:** 1270  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments identifying the packaging, physical dimensions, and marks and numbers for goods referenced in the line item.  
**Notes:** PAC segment group: Optional for Retail

**Segment Summary**

|   | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max. Use</u> | <u>Group: Repeat</u> |
|---|-----------------|----------------|-------------|------------------|-----------------|----------------------|
| M | 1280            | PAC            | Package     | M                | 1               |                      |

**Segment:** **PAC** Package  
**Position:** 1280 (Trigger Segment)  
**Group:** SG25-SG30  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying the number of packages and the physical type of packaging for the line item e.g. pallet type.  
**Notes:** Optional for Retail.

This segment is used in those cases where despatch unit coding has not yet been implemented, not allowing direct ordering in LIN, yet requirements exist to define the despatch unit to be delivered.

Example :

PAC+4+3' Outer pack quantity = 4 units.  
 PAC+2+1' There should be two inners per outer.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 7224                |                          | NUMBER OF PACKAGES                                       | C n..8                 | O                      |
| C531                |                          | PACKAGING DETAILS  | C                      | O                      |
|                     | 7075                     | Packaging level, coded                                   | C an..3                | R                      |
|                     |                          | 1            Inner                                       |                        |                        |
|                     |                          | 3            Outer                                       |                        |                        |
|                     | 7233                     | Packaging related information, coded                     | C an..3                | X                      |
|                     | 7073                     | Packaging terms and conditions, coded                    | C an..3                | X                      |
| C202                |                          | PACKAGE TYPE   | C                      | X                      |
|                     | 7065                     | Type of packages identification                          | C an..17               | X                      |
|                     | 1131                     | Code list qualifier                                      | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded                      | C an..3                | X                      |
|                     | 7064                     | Type of packages   | C an..35               | X                      |
| C402                |                          | PACKAGE TYPE IDENTIFICATION                              | C                      | X                      |
|                     | 7077                     | Item description type, coded                             | M an..3                | X                      |
|                     | 7064                     | Type of packages   | M an..35               | X                      |
|                     | 7143                     | Item number type, coded                                  | C an..3                | X                      |
|                     | 7064                     | Type of packages   | C an..35               | X                      |
|                     | 7143                     | Item number type, coded                                  | C an..3                | X                      |
| C532                |                          | RETURNABLE PACKAGE DETAILS                               | C                      | X                      |
|                     | 8395                     | Returnable package freight payment responsibility, coded | C an..3                | X                      |
|                     | 8393                     | Returnable package load contents, coded                  | C an..3                | X                      |

**Group:** **LOC** **Segment Group 33: Place/Location Identification**  
**Position:** 1400  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 9999  
**Purpose:** A group of segments specifying destination and quantity details for consignments involving multi-destination deliveries.

**Segment Summary**

|   | <b>Pos.</b> | <b>Seg.</b> |                               | <b>Req.</b> | <b>Max.</b> | <b>Group:</b> |
|---|-------------|-------------|-------------------------------|-------------|-------------|---------------|
|   | <b>No.</b>  | <b>ID</b>   | <b>Name</b>                   | <b>Des.</b> | <b>Use</b>  | <b>Repeat</b> |
| M | 1410        | LOC         | Place/Location Identification | M           | 1           |               |
| O | 1420        | QTY         | Quantity                      | C           | 1           |               |
| O | 1430        | DTM         | Date/Time/Period              | C           | 5           |               |

**Segment:** **LOC** Place/Location Identification  
**Position:** 1410 (Trigger Segment)  
**Group:** SG25-SG33  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment indicating the location to which part of the consignment is to be delivered.  
**Notes:** This segment is used to identify the location of delivery for a split delivery order or where there are multiple store deliveries involved.

Example :

LOC+7+93123450000043::9'

LOC+7+3209::92'

Where the location identification is not an EAN Global Location Number.

**Data Element Summary**

| <u>Data Element</u>  | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|--|--------------------------|--|------------------------|------------------------|
| 3227   |                          | PLACE/LOCATION QUALIFIER                                   | M an..3                | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST.   |                          |  |                        |                        |
|  |                          | 7 <i>Place of delivery</i>                                 |                        |                        |
| C517   |                          | LOCATION IDENTIFICATION                                    | C                      | R                      |
|  | 3225                     | Place/location identification                              | C an..25               | R                      |
| EAN Global Location Number Code - Format n13   |                          |  |                        |                        |
| While it is recommended that EAN GLNs be used to identify location for split deliveries, due to migration issues Buyer Assigned ids (as allowed by EANCOM) may be used for split delivery identifications, this would be in the form of the Store Number assigned by the retailer. |                          |  |                        |                        |
|  | 1131                     | Code list qualifier  | C an..3                | X                      |
|  | 3055                     | Code list responsible agency, coded                        | C an..3                | O                      |
|  |                          | 9 <i>EAN (International Article Numbering association)</i> |                        |                        |
|  |                          | 92 <i>Assigned by buyer or buyer's agent</i>               |                        |                        |
|  | 3224                     | Place/location   | C an..70               | X                      |
| C519   |                          | RELATED LOCATION ONE IDENTIFICATION                        | C                      | X                      |
|  | 3223                     | Related place/location one identification                  | C an..25               | X                      |
|  | 1131                     | Code list qualifier  | C an..3                | X                      |
|  | 3055                     | Code list responsible agency, coded                        | C an..3                | X                      |
|  | 3222                     | Related place/location one                                 | C an..70               | X                      |
| C553   |                          | RELATED LOCATION TWO IDENTIFICATION                        | C                      | X                      |
|  | 3233                     | Related place/location two identification                  | C an..25               | X                      |
|  | 1131                     | Code list qualifier  | C an..3                | X                      |
|  | 3055                     | Code list responsible agency, coded                        | C an..3                | X                      |
|  | 3232                     | Related place/location two                                 | C an..70               | X                      |
| 5479   |                          | RELATION, CODED  | C an..3                | X                      |

**Segment:** **QTY** Quantity  
**Position:** 1420  
**Group:** SG25-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 1

**Purpose:** A segment specifying the quantity to be delivered to the identified location.

**Notes:** This segment is used to indicate the delivery quantity for the delivery location specified in the previous LOC segment. The total of all quantities specified in segment group 33 for the line, must equal the value for the total quantity detailed in the QTY segment at line level.

Example :

QTY+11:14'

Dependency Notes :

DE 6411: This DE is only used if the product being ordered is a variable quantity product.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                             | <u>Base Attributes</u> | <u>User Attributes</u>     |
|---------------------|--------------------------|---|------------------------|----------------------------|
| C186                |                          | QUANTITY DETAILS                        | M                      | M                          |
|                     | 6063                     | Quantity qualifier                      | M an..3                | M                          |
|                     |                          | THIS HAS AN EANCOM RESTRICTED CODE LIST |                        |                            |
|                     |                          | <i>11</i>                               |                        | <i>Split quantity</i>      |
|                     | 6060                     | Quantity                                | M n..15                | M                          |
|                     | 6411                     | Measure unit qualifier                  | C an..3                | O                          |
|                     |                          | <i>EA</i>                               |                        | <i>Each</i>                |
|                     |                          | <i>GRM</i>                              |                        | <i>Gram</i>                |
|                     |                          | <i>KGM</i>                              |                        | <i>Kilogram</i>            |
|                     |                          | <i>LTR</i>                              |                        | <i>Litre (1 dm3)</i>       |
|                     |                          | <i>MTK</i>                              |                        | <i>Square metre</i>        |
|                     |                          | <i>MTQ</i>                              |                        | <i>Cubic metre</i>         |
|                     |                          | <i>MTR</i>                              |                        | <i>Metre</i>               |
|                     |                          | <i>NAR</i>                              |                        | <i>Number of articles</i>  |
|                     |                          | <i>PCE</i>                              |                        | <i>Piece</i>               |
|                     |                          | <i>TNE</i>                              |                        | <i>Metric ton (1000kg)</i> |

**Segment:** **DTM** Date/Time/Period  
**Position:** 1430  
**Group:** SG25-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment specifying the dates and/or times that the delivery should be made.

**Notes:** The Hardware Industry Business Rule:-

- This segment is optional and is used to specify the delivery date for each split delivery item.

This DTM segment is used to indicate the date/time on which the split delivery will take place to the location identified in the LOC segment.

Example :

DTM+2:19930915:102'

This example requests delivery on the 15th of September 1993.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u>                | <u>Name</u>                | <u>Base Attributes</u>               | <u>User Attributes</u> |  |
|---------------------|---|----------------------------|--------------------------------------|------------------------|--|
| C507                | 2005                                    | DATE/TIME/PERIOD           | M                                    | M                      |  |
|                     |   | Date/time/period qualifier | M an..3                              | M                      |  |
|                     | THIS HAS AN EANCOM RESTRICTED CODE LIST |                            |                                      |                        |  |
|                     |   | 2                          | <i>Delivery date/time, requested</i> |                        |  |
|                     | 2380                                    | Date/time/period           | C an..35                             | R                      |  |
| 2379                | Date/time/period format qualifier       | C an..3                    | R                                    |                        |  |
|                     | 102                                     | <i>CCYYMMDD</i>            |                                      |                        |  |

**Group:** **TAX** Segment Group 34: Duty/Tax/Fee Details  
**Position:** 1440  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments specifying tax related information, and when necessary, the location(s) to which that tax information relates.  
**Notes:** TAX segment group: Optional for Retail.

**Segment Summary**

|   | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>          | <u>Req. Des.</u> | <u>Max. Use</u> | <u>Group: Repeat</u> |
|---|-----------------|----------------|----------------------|------------------|-----------------|----------------------|
| M | 1450            | TAX            | Duty/Tax/Fee Details | M                | 1               |                      |

**Segment:** **TAX** Duty/Tax/Fee Details  
**Position:** 1450 (Trigger Segment)  
**Group:** SG25-SG34  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying a tax type, category and rate, or exemption, relating to the line item.

**Notes:** This segment is used to identify the type and rate of tax that is applicable for the current line item. This segment is only used if the tax rate at line level differs from the rate specified in the header section.

Example :

TAX+7+VAT+++:::17.5+S'

Dependency Notes:

DE C241 and 5305: Tax types and categories will differ from country to country. They are to be defined by national guidelines.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                                | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 5283                |                          | DUTY/TAX/FEE FUNCTION QUALIFIER            | M an..3                | M                      |
|                     |                          | 7 Tax                                      |                        |                        |
| C241                |                          | DUTY/TAX/FEE TYPE                          | C                      | O                      |
|                     | 5153                     | Duty/tax/fee type, coded                   | C an..3                | R                      |
|                     |                          | GST Goods and services tax                 |                        |                        |
|                     | 1131                     | Code list qualifier                        | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded        | C an..3                | X                      |
|                     | 5152                     | Duty/tax/fee type                          | C an..35               | X                      |
| C533                |                          | DUTY/TAX/FEE ACCOUNT DETAIL                | C                      | X                      |
|                     | 5289                     | Duty/tax/fee account identification        | M an..6                | X                      |
|                     | 1131                     | Code list qualifier                        | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded        | C an..3                | X                      |
| 5286                |                          | DUTY/TAX/FEE ASSESSMENT BASIS              | C an..15               | X                      |
| C243                |                          | DUTY/TAX/FEE DETAIL                        | C                      | Re                     |
|                     |                          |  |                        | c                      |
|                     | 5279                     | Duty/tax/fee rate identification           | C an..7                | X                      |
|                     | 1131                     | Code list qualifier                        | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded        | C an..3                | X                      |
|                     | 5278                     | Duty/tax/fee rate                          | C an..17               | R                      |
|                     | 5273                     | Duty/tax/fee rate basis identification     | C an..12               | X                      |
|                     | 1131                     | Code list qualifier                        | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded        | C an..3                | X                      |
| 5305                |                          | DUTY/TAX/FEE CATEGORY, CODED               | C an..3                | D                      |
|                     |                          | E Exempt from tax                          |                        |                        |
|                     |                          | Used by Nestle for Nestle rural customers. |                        |                        |
| 3446                |                          | PARTY TAX IDENTIFICATION NUMBER            | C an..20               | O                      |

Used by Nestle's rural customers that sell/consume products direct as well as supplying smaller tax exempt distributors. This DE would only be used where there is a variation in the tax treatment of lines.

It is strongly recommended that if the tax arrangements of the line items differ from the tax at the header level, then a separate purchase order be raised for these items.

**Group:** **NAD** Segment Group 35: Name and Address  
**Position:** 1480  
**Group:** Segment Group 25 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** A group of segments identifying the parties with associated information, relevant to the line item only.  
**Notes:** NAD segment group: Optional for Retail:

**Segment Summary**

|   | <u>Pos.</u> | <u>Seg.</u> | <u>Name</u>      | <u>Req.</u> | <u>Max.</u> | <u>Group:</u> |
|---|-------------|-------------|------------------|-------------|-------------|---------------|
|   | <u>No.</u>  | <u>ID</u>   |                  | <u>Des.</u> | <u>Use</u>  | <u>Repeat</u> |
| M | 1490        | NAD         | Name and Address | M           | 1           |               |

**Segment:** **NAD** Name and Address  
**Position:** 1490 (Trigger Segment)  
**Group:** SG25-SG35  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the line item . It is recommended that where possible only the coded form of the party ID should be specified. e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.  
**Notes:** This segment is used to specify the ultimate (end) customer for the current line item, ie. the party sending the order will in turn sell the goods to the party on whose behalf the buyer is acting as an agent.

Example :

NAD+UD+JOHNCITIZEN+65:ANYROAD:ANYSUBURB+ANYCITY++3809'

The delivery is to John Citizen at address 65 Anyroad, Anysuburb, Anycity, with Postcode 3809.

Dependency Notes :

The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - 3229 - 3251 - 3207

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 3035                |                          | <b>PARTY QUALIFIER</b>  | M an..3                | M                      |
|                     |                          | THIS HAS AN EANCOM RESTRICTED CODE LIST   |                        |                        |
|                     |                          | <i>UD Ultimate customer</i>   |                        |                        |
| C082                |                          | <b>PARTY IDENTIFICATION DETAILS</b>   | C                      | X                      |
|                     | 3039                     | <b>Party id. identification</b>   | M an..35               | X                      |
|                     |                          | EAN Location Code - Format n13  |                        |                        |
|                     | 1131                     | <b>Code list qualifier</b>  | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b>  | C an..3                | X                      |
|                     |                          | THIS HAS AN EANCOM RESTRICTED CODE LIST   |                        |                        |
| C058                |                          | <b>NAME AND ADDRESS</b>   | C                      | X                      |
|                     | 3124                     | <b>Name and address line</b>  | M an..35               | X                      |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | X                      |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | X                      |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | X                      |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | X                      |
| C080                |                          | <b>PARTY NAME</b>   | C                      | D                      |
|                     |                          | For direct to customer deliveries, and if no EAN Location & EC numbers are used (which is very likely). |                        |                        |
|                     | 3036                     | <b>Party name</b>   | M an..35               | M                      |
|                     |                          | Party Name in clear text.   |                        |                        |
|                     | 3036                     | <b>Party name</b>   | C an..35               | X                      |
|                     | 3036                     | <b>Party name</b>   | C an..35               | X                      |
|                     | 3036                     | <b>Party name</b>   | C an..35               | X                      |
|                     | 3036                     | <b>Party name</b>   | C an..35               | X                      |
|                     | 3045                     | <b>Party name format, coded</b>   | C an..3                | X                      |
| C059                |                          | <b>STREET</b>   | C                      | D                      |
|                     | 3042                     | <b>Street and number/p.o. box</b>   | M an..35               | M                      |

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|             |             |  |          |               |          |
|-------------|-------------|--|----------|---------------|----------|
|             |             | Building Name/Number and Street          |          |               |          |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>        | <b>C</b> | <b>an..35</b> | <b>O</b> |
|             |             | Name and/or P.O. Box.                    |          |               |          |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>        | <b>C</b> | <b>an..35</b> | <b>O</b> |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>        | <b>C</b> | <b>an..35</b> | <b>X</b> |
| <b>3164</b> |             | <b>CITY NAME</b>                         | <b>C</b> | <b>an..35</b> | <b>D</b> |
|             |             | City/Town name, clear text               |          |               |          |
| <b>3229</b> |             | <b>COUNTRY SUB-ENTITY IDENTIFICATION</b> | <b>C</b> | <b>an..9</b>  | <b>X</b> |
|             |             | County/State, clear text                 |          |               |          |
| <b>3251</b> |             | <b>POSTCODE IDENTIFICATION</b>           | <b>C</b> | <b>an..9</b>  | <b>D</b> |
|             |             | Postal Code                              |          |               |          |
| <b>3207</b> |             | <b>COUNTRY, CODED</b>                    | <b>C</b> | <b>an..3</b>  | <b>X</b> |
|             |             | ISO 3166 two alpha code                  |          |               |          |

**Segment:** **UNS** Section Control  
**Position:** 2090  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A service segment placed at the start of the summary section to avoid segment collision.  
**Notes:** This segment is used to separate the detail and summary sections of the ORDERS message.  
  
 Example :  
  
 UNS+S'

**Data Element Summary**

| <u>Data Element</u>                     | <u>Component Element</u> | <u>Name</u>        | <u>Base Attributes</u>                   | <u>User Attributes</u> |
|---|--------------------------|--------------------|--|------------------------|
| 0081                                    |                          | SECTION IDENTIFIER | M a1                                     | M                      |
| THIS HAS AN EANCOM RESTRICTED CODE LIST |                          |                    |  |                        |
|   | S                        |                    | <i>Detail/summary section separation</i> |                        |

**Segment:** **MOA** Monetary Amount  
**Position:** 2100  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 12  
**Purpose:** A segment giving the total amounts for the whole order message.  
**Notes:** This segment is used to indicate total amounts for the order.

Example :

MOA+86:2480'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u>               | <u>User Attributes</u> |
|---------------------|--------------------------|---|--------------------------------------|------------------------|
| C516                |                          | MONETARY AMOUNT   | M                                    | M                      |
|                     | 5025                     | Monetary amount type qualifier  | M an..3                              | M                      |
|                     |                          | 86  | <i>Message total monetary amount</i> |                        |
|                     |                          |   | Net total inclusive of GST.          |                        |
|                     |                          | 128   | <i>Total amount</i>                  |                        |
|                     |                          |   | Net total exclusive of GST.          |                        |
|                     | 5004                     | Monetary amount   | C n..18                              | R                      |
|                     |                          | This is the total amount for the order. The order will be rejected if the extended totals of all lines do not add up to the value stated. |                                      |                        |
|                     |                          | e.g.  |                                      |                        |
|                     |                          | Line 1: PRI(AAA) x QTY = extended line amount 1   |                                      |                        |
|                     |                          | Line 2: PRI(AAA) x QTY = extended line amount 2   |                                      |                        |
|                     |                          | MOA(128) = extended line amount 1 + extended line amount 2  |                                      |                        |
|                     | 6345                     | Currency, coded   | C an..3                              | X                      |
|                     | 6343                     | Currency qualifier  | C an..3                              | X                      |
|                     | 4405                     | Status, coded   | C an..3                              | X                      |

**Segment:** **CNT** Control Total  
**Position:** 2110  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment by which control totals may be provided by the sender for checking by the receiver.

**Notes:** This segment is used to provide message control totals.

DE 6069: When using '1', the value expressed in data element 6066 will be the addition of all the values of data element 6060 at LIN level.

Example :

CNT+2:4'

There are four LIN segments in the current message.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>            | <u>Base Attributes</u> | <u>User Attributes</u>   |
|---------------------|--------------------------|------------------------|------------------------|--|
| C270                |                          | CONTROL                | M                      | M  |
|                     | 6069                     | Control qualifier      | M an..3                | M  |
|                     |                          | 1                      |                        | <i>Algebraic total of the quantity values in line items in a message</i> |
|                     |                          | 2                      |                        | <i>Number of line items in message</i>                                   |
|                     | 6066                     | Control value          | M n..18                | M  |
|                     | 6411                     | Measure unit qualifier | C an..3                | X  |

**Segment:** **UNT** Message Trailer  
**Position:** 2160  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.  
**Notes:** The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.  
 Example :  
 UNT+48+ME000001'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 0074                |                          | <b>NUMBER OF SEGMENTS IN A MESSAGE</b>  | <b>M n..6</b>          | <b>M</b>               |
|                     |                          | The total number of segments in the message is detailed here.                                 |                        |                        |
| 0062                |                          | <b>MESSAGE REFERENCE NUMBER</b>   | <b>M an..14</b>        | <b>M</b>               |
|                     |                          | The message reference number detailed here should equal the one specified in the UNH segment. |                        |                        |