

# **Price Catalogue Message** *(for bilateral usage<sup>1</sup>)*

## **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*

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<sup>1</sup> Master data and trading partner data synchronisation via EANnet must use the EANnet PRICAT MIG specification.

## 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                              |
|------|------------------------|---|--|
| -    | Front page             | Footnote advising that the EANnet PRICAT must be used if synchronising data via EANnet service  | Clarify usage                              |
| -    | Preamble               | Section 4, added note to say there is a variable measure flag now in the IMD segment  | Expand on data content                     |
| -    | Preamble               | Addition of sections 5, 7 & 8 including implementation of kit assemblies in section 8.  | Requested for education / clarification    |
| -    | Message notes          | Amended so the version of the EANnet PRICAT on which this MIG is based was removed, as it is no longer the most current. See EAN Australia for EANnet PRICAT MIG. | Clarification                              |
| 0550 | PGI                    | Update segment notes and notes on 5389 and 5388 to reflect 3char field  | Correction                                 |
| 1150 | LIN                    | Opened C829 and sub elements to enable sub lining for kit assemblies  | Timber subgroup                            |
| 1160 | PIA                    | Added code 3 – Substituted by   | Timber subgroup                            |
| 1170 | IMD segment level note | Note added to explaining about the attributes for timber items and how to represent them  | Clarify usage                              |
| 1170 | IMD.7081               | Attribute codes assigned to timber characteristics: species, condition/dryness, treatment, profile and value-added, other codes added                             | Timber subgroup                            |
| 1170 | IMD.7081               | Added (temporary) code “IM” to denote item has an image available   | MIG subgroup                               |
| 1170 | IMD.7081               | Added notes to codes F06 & F07  | Clarify usage                              |
| 1170 | IMD.7081               | Added codes F08 to F10 to provide for nomination of additional product attributes as agreed   | Timber subgroup                            |
| 1170 | IMD.C273.7009          | Added code VQ to denote a variable measure item   | Timber subgroup                            |
| 1170 | IMD.C273.7009          | Expanded note to say that standard coding for timber attributes have not yet been agreed.   | Timber subgroup                            |
| 1170 | IMD.C273.7009          | Added codes MA and BA   | Timber subgroup – to enable kit assemblies |
| 1170 | IMD.C273.3453          | Changed from Optional to Not Used   | Correction                                 |
| 1180 | MEA                    | Altered notes on segment to show examples of how to express variable pack timber piece quantity, total length, panels total area etc.                             | Timber subgroup                            |
| 1180 | MEA.C502.6313          | Add code LN for expressing length of item. Added note to explain how to use it with AAE and PD codes in 6311.   | Timber subgroup                            |
| 1180 | MEA.C502.6313          | Added code TH for thickness of ordered panels   | Timber subgroup                            |
| 1180 | MEA.C502.6313          | Adjusted not on code ABJ to lengthen field format   | Timber subgroup                            |
| 1180 | MEA.C502.6313          | Added code UCF to total area of a pack of timber panels   | Clarify usage                              |
| 1180 | MEA.C502.6313          | Altered note on code WD – width dimension   | Timber subgroup                            |
| 1180 | MEA.C174.6162, 6152    | Opened up measure minimum and maximum range to allow for timber variable measure ranges   | Timber subgroup                            |
| 1190 | QTY.C186.6411          | Standardise Unit of Measure (UOM) code list and annotate MTR – Metre as the preferred UOM for variable length (timber) items and MTK – Square                     | Clarify usage & Timber subgroup            |

|      |                      |   |                              |
|------|----------------------|---|------------------------------|
|      |                      | metre as the preferred UOM for variable area (panels) items   |                              |
| 1190 | QTY.C186.6411        | Removed codes CS – Case and PCE – Piece as CS should not be used as a UOM and the number of pieces in a pack is specified in MEA if a pack GTIN is used, whilst the quantity of pieces being ordered if a piece GTIN is used is specified with 6411 = EA. | Correction and Clarification |
| 1200 | HAN.C524.4078        | Amended hazardous goods fields to align with government regulations   | Correction                   |
| 1200 | HAN.C524.4079 & 4078 | Changed from Optional to Required if C524 is used   | Correction                   |
| 1330 | TAX.C241.5153        | Removed note from code “GST”  | Clarification                |
| 1390 | PRI.C509.5387        | Added temporary code RN – Rounded up to 5387 – Price type to denote the cut to length price has been rounded up to the next set length.   | Timber subgroup              |
| 1390 | PRI.C509.6411        | Standardise UOM code list, including removal of CS – case addition of PCE   | Clarify usage                |
| 1420 | RNG.C280.6411        | Standardise UOM code list   | Clarify usage                |
| 1650 | PAC.C202.7065        | Added packaging type codes for bolster and bundle. Added note on code PK to say this is to be used for timber packs.  | Timber subgroup              |
| 1786 | HYN.C212             | Changed from R – Required to O – Optional with explanatory note.  | Timber subgroup              |
| 1788 | QTY.C186.6063        | Add code 52 – quantity per pack for # of pieces of timber in a pack. Removed note as this code to be used with 6411 = EA as HYN loop is operating at the pack component (i.e. piece) level in the PRICAT so the EA refers to the piece.                   | Timber subgroup              |
| 1789 | RNG                  | Added segment to allow for range of piece count of given length.  | Timber subgroup              |
| 1790 | MEA                  | Added segment to express timber piece dimensions when not predefined by a GTIN in HYN   | Timber subgroup              |

#### 4. Data Content and Structure

|  |  |     |                                   |     |                 |     |               |     |                 |
|--|--|-----|-----------------------------------|-----|-----------------|-----|---------------|-----|-----------------|
| UNH  | Message header   |     |                                   |     |                 |     |               |     |                 |
| BGM  | Message function (original (function per line), addition, deletion, change, replace, reissue entire catalogue) |     |                                   |     |                 |     |               |     |                 |
| DTM  | Message date and effective dates for release to partners, public and ordering                                  |     |                                   |     |                 |     |               |     |                 |
| <table border="0" style="width: 100%;"> <tr> <td style="width: 150px;">NAD</td> <td>Buyer and supplier identification</td> </tr> <tr> <td>RFF</td> <td>ABN of supplier</td> </tr> <tr> <td>CTA</td> <td>Contact names</td> </tr> <tr> <td>COM</td> <td>Contact numbers</td> </tr> </table> |  | NAD | Buyer and supplier identification | RFF | ABN of supplier | CTA | Contact names | COM | Contact numbers |
| NAD  | Buyer and supplier identification  |     |                                   |     |                 |     |               |     |                 |
| RFF  | ABN of supplier  |     |                                   |     |                 |     |               |     |                 |
| CTA  | Contact names  |     |                                   |     |                 |     |               |     |                 |
| COM  | Contact numbers  |     |                                   |     |                 |     |               |     |                 |

Detail Section

|  |  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
|--|--|--------------------------|-----|--|-----|---|-----|--|-----|---|-----|--|-----|--------------------------------|-----|---|-----|---|-----|-----------------------------|-----|-----------------------|-----|--|-----|---------------------------|-----|-------------------------|-----|-----------------------|-----|---------------------------|-----|---|-----|---|-----|---|-----|--------------------------|-----|-------------------------|-----|----------------------------------|-----|--------------------------|-----|---------------------------------------|-----|---------------------------------------|---|-----|-----------------|
| <table border="0" style="width: 100%;"> <tr> <td style="width: 150px;">PGI</td> <td>High level product group</td> </tr> <tr> <td>LIN</td> <td>EAN GTIN identifying product, function (add, delete, change, correction of error, replace)</td> </tr> <tr> <td>PIA</td> <td>Other product identification/attributes, and UNSPSC classification, substitute item, base item, product id (SKU), manufacturer's id</td> </tr> <tr> <td>IMD</td> <td>Short and long SKU description, item description, brand, variant, short and long cash register description, size and colour codes and descriptions, free text, flags for order/invoice unit, unit type (consumer, trade etc.), single or mixed assortment, UNSPSC description, supplier defined grade code, variable measure item flag</td> </tr> <tr> <td>MEA</td> <td>Gross and net weight, shelf space management dimensions, item configuration e.g. # of layers, pallet configuration and dimensions</td> </tr> <tr> <td>QTY</td> <td># base units in item and on pallet, minimum order quantity and order quantity multiple</td> </tr> <tr> <td>HAN</td> <td>Hazardous material information</td> </tr> <tr> <td>ALI</td> <td>Country of origin and whether export only</td> </tr> <tr> <td>DTM</td> <td>Trading partner and public release, order date, product lifespan, and that when into DC</td> </tr> <tr> <td>FTX</td> <td>Free text for the line item</td> </tr> <tr> <td>TAX</td> <td>GST rate for the item</td> </tr> <tr> <td style="border-top: 1px solid black;">PRI</td> <td>Prices (List, invoice, suggested retail, promotion and margin-managed) including units of measure for variable measure items</td> </tr> <tr> <td>CUX</td> <td>Price currency if not AUD</td> </tr> <tr> <td>APR</td> <td>Reason for price change</td> </tr> <tr> <td>RNG</td> <td>Price quantity breaks</td> </tr> <tr> <td>DTM</td> <td>Price start and end dates</td> </tr> <tr> <td>LOC</td> <td>Trading partners, states or sources of supply (e.g. direct to store vs cross dock) to which the price applies</td> </tr> <tr> <td style="border-top: 1px solid black;">ALC</td> <td>Off invoice and deferred allowances and charges</td> </tr> <tr> <td>DTM</td> <td>Point of Sale start sell and end sell dates</td> </tr> <tr> <td>PCD</td> <td>Allowance/charge percent</td> </tr> <tr> <td>MOA</td> <td>Allowance/charge amount</td> </tr> <tr> <td>PAC</td> <td>Item packaging type and material</td> </tr> <tr> <td>HYN</td> <td>Next lower level product</td> </tr> <tr> <td>QTY</td> <td>Quantity of next lower level product.</td> </tr> <tr> <td>MEA</td> <td>Measurement of piece in pack (timber)</td> </tr> </table> | PGI  | High level product group | LIN | EAN GTIN identifying product, function (add, delete, change, correction of error, replace) | PIA | Other product identification/attributes, and UNSPSC classification, substitute item, base item, product id (SKU), manufacturer's id | IMD | Short and long SKU description, item description, brand, variant, short and long cash register description, size and colour codes and descriptions, free text, flags for order/invoice unit, unit type (consumer, trade etc.), single or mixed assortment, UNSPSC description, supplier defined grade code, variable measure item flag | MEA | Gross and net weight, shelf space management dimensions, item configuration e.g. # of layers, pallet configuration and dimensions | QTY | # base units in item and on pallet, minimum order quantity and order quantity multiple | HAN | Hazardous material information | ALI | Country of origin and whether export only | DTM | Trading partner and public release, order date, product lifespan, and that when into DC | FTX | Free text for the line item | TAX | GST rate for the item | PRI | Prices (List, invoice, suggested retail, promotion and margin-managed) including units of measure for variable measure items | CUX | Price currency if not AUD | APR | Reason for price change | RNG | Price quantity breaks | DTM | Price start and end dates | LOC | Trading partners, states or sources of supply (e.g. direct to store vs cross dock) to which the price applies | ALC | Off invoice and deferred allowances and charges | DTM | Point of Sale start sell and end sell dates | PCD | Allowance/charge percent | MOA | Allowance/charge amount | PAC | Item packaging type and material | HYN | Next lower level product | QTY | Quantity of next lower level product. | MEA | Measurement of piece in pack (timber) | <table border="0" style="width: 100%;"> <tr> <td>UNT</td> <td>Message trailer</td> </tr> </table> | UNT | Message trailer |
| PGI  | High level product group   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| LIN  | EAN GTIN identifying product, function (add, delete, change, correction of error, replace)   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| PIA  | Other product identification/attributes, and UNSPSC classification, substitute item, base item, product id (SKU), manufacturer's id  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| IMD  | Short and long SKU description, item description, brand, variant, short and long cash register description, size and colour codes and descriptions, free text, flags for order/invoice unit, unit type (consumer, trade etc.), single or mixed assortment, UNSPSC description, supplier defined grade code, variable measure item flag |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| MEA  | Gross and net weight, shelf space management dimensions, item configuration e.g. # of layers, pallet configuration and dimensions  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| QTY  | # base units in item and on pallet, minimum order quantity and order quantity multiple   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| HAN  | Hazardous material information   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| ALI  | Country of origin and whether export only  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| DTM  | Trading partner and public release, order date, product lifespan, and that when into DC  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| FTX  | Free text for the line item  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| TAX  | GST rate for the item  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| PRI  | Prices (List, invoice, suggested retail, promotion and margin-managed) including units of measure for variable measure items   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| CUX  | Price currency if not AUD  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| APR  | Reason for price change  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| RNG  | Price quantity breaks  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| DTM  | Price start and end dates  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| LOC  | Trading partners, states or sources of supply (e.g. direct to store vs cross dock) to which the price applies  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| ALC  | Off invoice and deferred allowances and charges  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| DTM  | Point of Sale start sell and end sell dates  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| PCD  | Allowance/charge percent   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| MOA  | Allowance/charge amount  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| PAC  | Item packaging type and material   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| HYN  | Next lower level product   |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| QTY  | Quantity of next lower level product.  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| MEA  | Measurement of piece in pack (timber)  |                          |     |  |     |   |     |  |     |   |     |  |     |                                |     |   |     |   |     |                             |     |                       |     |  |     |                           |     |                         |     |                       |     |                           |     |   |     |   |     |   |     |                          |     |                         |     |                                  |     |                          |     |                                       |     |                                       |   |     |                 |
| 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>2</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>3</sup>

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

---

<sup>2</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>3</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   |                   |
| Price Catalogue flag   | BGM               |
| Price Catalogue message number   | BGM               |
| Message Function* (e.g. Add, delete etc.)  | BGM               |
| Message date   | DTM (header)      |
| Buyer & Supplier identification  | NAD, grp2         |
| Product Group  |                   |
| Product group code (and description if add)  | PGI, grp16        |
| Line Item  |                   |
| Line item number   | LIN, grp33        |
| Product identifier (EAN GTIN or proprietary) and type  | LIN or PIA, grp33 |
| Short Product id (SKU) description, item description, unit type (e.g. consumer, trade, despatch) | IMD, grp33        |

## 7. Sample Message

| <i>Catalogue example</i>  |   |
|---|---|
| <i>Scenario: Addition of 3 items; 2 consumer units and one trade unit. The trade unit is orderable and has both a list price and invoice price attached to it for specific customer(s).</i> |   |
| UNB+UNOA:3+9377778607733:14+937777654321C:14+030115:1045+0000000000182'   | Interchange Header segment for interchange INT1, includes trading partner addressing.       |
| UNH+0001+PRICAT:D:96A:UN:EAN006'  |   |
| BGM+9+0000000000182+9'  | Message Header with UN/EDIFACT message type and directory version                           |
| DTM+137:20030115:102'   | Date of message is 15 <sup>th</sup> Jan 2003  |
| NAD+BY+9377778607733:14:9'  | Buyer identifier  |
| NAD+SU+937777860111C:14:9'  | Supplier identifier   |
| PGI+11+001::90:EAN Nails Division'  | Product group is the EAN Nails Division   |
| LIN+1+1+9312345678907:EN'   | 1 <sup>st</sup> Line item being added, identified by EAN 13 Global Trade Item Number (GTIN) |
| PIA+1+BKB 0908:MF'  | Manufacturer's item identifier  |
| PIA+1+BKB 0908:GU'  | Product ID of the supplier (often the same)   |
| PIA+1+50192703:GD::6'   | UNSPSC classification code  |
| IMD+F+DSC+:::EAN Galvanized Nails 500g'   | GTIN description  |
| IMD+F+BRN+:::EAN'   | Item brand  |
| IMD+F+TPE+:::Galvanized'  | Item variant  |
| IMD+E++OPL:::EAN Galvanized Nails 500g'   | Short Product ID description  |
| IMD+A++OPL:::EAN Galvanized Nails 500g'   | Extended Product ID description   |
| IMD+C++SU::9'   | Single base unit  |
| IMD+C++CU::9'   | Consumer unit   |
| MEA+PD+HT+MMT:112'  | Height of item in mm (for shelf space management)   |
| MEA+PD+WD+MMT:76'   | Width of item in mm (for shelf space management)  |
| MEA+PD+DP+MMT:76'   | Depth of item in mm (for shelf space management)  |
| MEA+PD+ABJ+MTQ:0.000647'  | Volume of item (HxWxD)  |
| MEA+AAE+AAB+KGM:0.425'  | Item gross weight in kg   |
| MEA+AAE+AAA+KGM:0.425'  | Item net weight in kg   |
| MEA+UC+UCO+PCE:1'   | Units per pack  |
| MEA+UC+CT+GRM:500.000'  | Unit net contents is 500gm  |
| ALI+AU'   | Country of origin = Australia   |
| DTM+261:20010301:102'   | Trading Partner Release Date  |
| DTM+157:20010301:102'   | Public Release Date   |
| DTM+7:20011126:102'   | Effective date (after which orders may be placed)   |
| DTM+41E:365:804'  | Total shelf life (left in by way of example only)   |
| TAX+7+GST+++:::10.000'  | GST applicable  |
| PAC+++JR::6:GL'   | Packaging type (jar) and material (glass)   |
|   |   |
| LIN+2+1+9312345678945:EN'   | 2 <sup>nd</sup> line item being added   |
| PIA+1+CHB 0945:MF'  | Manufacturer's item number  |
| PIA+1+CHB 0945:GU'  | Product ID number (often the same)  |
| PIA+1+50192703:GD::6'   | UNSPSC classification code  |
| IMD+F+DSC+:::EAN Titanium Screws 800g'  | GTIN description  |
| IMD+F+BRN+:::EAN'   | Brand   |

|  |   |
|--|---|
| IMD+F+TPE+:::Titanium'                           | Variant   |
| IMD+D+DSC+:::EAN Titanium Scr 800g:Tit Scr 800g' | Short and long cash register descriptions         |
| IMD+E++OPL:::EAN Titanium Screws 800g'           | Product ID description (short)                    |
| IMD+A++OPL:::EAN Titanium Screws 800g'           | Product ID description (long)                     |
| IMD+C++SU:::9'                                   | Single base unit                                  |
| IMD+C++CU:::9'                                   | Consumer unit                                     |
| MEA+PD+HT+MMT:112'                               | Item height in mm (for shelf space management)    |
| MEA+PD+WD+MMT:76'                                | Item width in mm (for shelf space management)     |
| MEA+PD+DP+MMT:76'                                | Item depth in mm (for shelf space management)     |
| MEA+PD+ABJ+MTQ:0.000647'                         | Item volume (HxDxW)                               |
| MEA+AAE+AAB+KGM:0.425'                           | Item gross weight                                 |
| MEA+AAE+AAA+KGM:0.425'                           | Item net weight                                   |
| MEA+UC+UCO+PCE:1'                                | Units per pack = 1                                |
| MEA+UC+CT+GRM:800.000'                           | Unit net contents = 800gm                         |
| ALI+AU'  | Country of origin is Australia                    |
| DTM+261:20010301:102'                            | Trading Partner Release Date                      |
| DTM+157:20010301:102'                            | Public Release Date                               |
| DTM+7:20010409:102'                              | Effective date (after which orders may be placed) |
| TAX+7+GST+++:::10.000'                           | Tax rate applicable                               |
| PAC+++CX:::6:RM'                                 | Packaging type (Can) and material (rigid metal)   |
|  |   |
| LIN+3+1+29312345678956:EN'                       | 3 <sup>rd</sup> line item being added             |
| PIA+1+9312345678952:EN'                          | GTIN identifying the base unit within this unit   |
| PIA+1+SKB 0952:MF'                               | Manufacturer's item number                        |
| PIA+1+SKB 0952:GU'                               | Product ID number (often the same)                |
| PIA+1+50192703:GD:::6'                           | UNSPSC classification code                        |
| IMD+F+DSC+:::EAN Steel Fasteners 4 x 6 x 200g'   | GTIN description                                  |
| IMD+F+BRN+:::EAN'                                | Brand   |
| IMD+F+TPE+:::Steel'                              | Variant   |
| IMD+E++OPL:::EAN Steel Fstnrs 4 x 6 x 200g'      | Product ID (short) description                    |
| IMD+A++OPL:::EAN Steel Fasteners 4 x 6 x 200g'   | Product ID (long) description                     |
| IMD+C++TU:::9'                                   | Trade unit  |
| IMD+C++DU:::9'                                   | Despatch unit                                     |
| IMD+C++ORU:::9'                                  | Orderable unit                                    |
| IMD+C++IN:::9'                                   | Invoice unit                                      |
| MEA+PD+HT+MMT:112'                               | Item height in mm (for shelf space management)    |
| MEA+PD+WD+MMT:456'                               | Item width in mm (for shelf space management)     |
| MEA+PD+DP+MMT:304'                               | Item depth in mm (for shelf space management)     |
| MEA+AAE+AAB+KGM:10.200'                          | Item gross weight                                 |
| MEA+UC+UCO+PCE:4'                                | Units per pack = 4                                |
| MEA+UC+CT+EA:6.000'                              | Unit net content = 6                              |
| MEA+PD+PHT+MMT:940'                              | Pallet height in mm                               |
| MEA+PD+PWD+MMT:1164'                             | Pallet width in mm                                |
| MEA+PD+PDP+MMT:1164'                             | Pallet depth in mm                                |
| MEA+PD+NUL+PCE:6'                                | Number of trade items per pallet layer            |
| QTY+BUP:864:EA'                                  | Number of base units per pallet                   |
| QTY+53:18:EA'                                    | Minimum order quantity                            |

|                                     |   |
|-------------------------------------|---|
| QTY+43E:18:EA'                      | Order quantity multiples                                    |
| QTY+52:24:EA'                       | Number of base units per item                               |
| ALI+AU'                             | Country of origin is Australia                              |
| DTM+261:20010301:102'               | Trading Partner Release Date                                |
| DTM+157:20010301:102'               | Public Release Date   |
| DTM+7:20020212:102'                 | Effective date (after which orders can be placed)           |
| DTM+169:4:804'                      | Usual lead time   |
| TAX+7+GST+++:::10.000'              | Tax rate applicable   |
| PRI+AAA:17.2100:CA:INV:1.000:EA'    | Invoice price is \$17.21 per item                           |
| CUX+2:AUD:8'                        | In Australian dollars                                       |
| DTM+194:20020110:102'               | Price start date  |
| LOC+8+9377778607764::9'             | Identification of customer for whom price is applicable     |
| LOC+162++FNQ::ZZZ'                  | Price market area   |
| LOC+162++NSW::ZZZ'                  | Price market area   |
| LOC+162++QLD::ZZZ'                  | Price market area   |
| LOC+162++VIC::ZZZ'                  | Price market area   |
| LOC+7+++DC::ZZZ'                    | Price market area   |
| PRI+AAB:18.0000:CA:LIU:1.000:EA'    | List price is \$18.00 per item                              |
| CUX+2:AUD:8'                        | In Australian dollars                                       |
| DTM+194:20020110:102'               | Price start date  |
| LOC+8+9377778607764::9'             | Identification of customer for whom price is applicable     |
| LOC+162++FNQ::ZZZ'                  | Price market area   |
| LOC+162++NSW::ZZZ'                  | Price market area   |
| LOC+162++QLD::ZZZ'                  | Price market area   |
| LOC+162++VIC::ZZZ'                  | Price market area   |
| LOC+7+++DC::ZZZ'                    | Price applies for delivery to Distribution Centre (DC) only |
| ALC+A++2+1+DAE:::001:9377778607764' | Warehouse allowance included in invoice price               |
| PCD+3:2.000'                        | Equivalent to 2%  |
| MOA+204:0.360'                      | Equivalent to \$0.36  |
| ALC+A++2+1+ACZ:::001:9377778607764' | Ullage allowance included in invoice price                  |
| PCD+3:5.400'                        | Equivalent to 5.4%  |
| MOA+204:0.970'                      | Equivalent to \$0.97  |
| ALC+C++6+1+FC:::001:9377778607764'  | Freight charge included in invoice price                    |
| PCD+3:3.000'                        | Equivalent to 3%  |
| MOA+23:0.540'                       | Equivalent to \$0.54  |
| PAC+++CT:::6:CFB'                   | Package type (carton) and material (Corrugated Fibreboard)  |
| HYN+P+C+1+19312345678959:EN'        | GTIN of next lower level item inside this item              |
| QTY+17E:4:EA'                       | Number of next lower level items                            |
| UNT+123+0001'                       | Message trailer and control field                           |
| UNZ+1+00000000000182'               | 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.

### Timber Industry Implementation Scenarios for the Catalogue Message:

Below is a brief synopsis of how these user segments could be implemented to support the flexibility of piece and pack catalogue data required in the timber industry:<sup>4</sup>

#### a) **Standard Set Length Pack (one predefined piece length, standard piece count in pack)**

LIN – GTIN of pack

IMD – order flag

MEA – standard total length contained in pack (MTR), or volume (MTQ) or piece count (PCE) - length preferred

PRI – price per EA (PK), per MTR, per MTQ, or per PCE

    HYN – piece within this pack (GTIN optional) (single HYN loop)

    QTY – quantity of this piece in the pack

    MEA – fixed piece length (required if no piece GTIN provided else optional)

---

<sup>4</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)*.

**b) Variable Set Length Pack (one predefined piece length, varies in piece count in pack and therefore overall length)**

LIN – 9GTIN of pack

IMD – variable measure flag

MEA – approximate total length or total length range (in MTR), or volume (MTQ), or piece count (PCE)

PRI – per EA (pack), per MTR, per MTQ, or per PCE

HYN – piece within this pack (single HYN loop)

QTY – approximate quantity of this piece in pack or

RNG – range of number of pieces

MEA – fixed piece length

Note: EAN Australia recommends a new pack GTIN for each piece count range.

**c) Standard Mixed Length Pack (i.e. no variability)**

LIN – GTIN of pack

IMD – order flag

MEA – standard total length contained in pack (MTR), or volume (MTQ), or piece count (PCE)

PRI – price per EA (PK), per MTR, or per MTQ

HYN – piece within pack (repeat HYN loop for each piece length)

QTY – quantity of this piece

MEA – fixed length of this piece

**d) Variable Cut To Length Pack (one piece length per pack - defined at order time, can vary in piece count in pack)**

LIN – 9GTIN of pack

IMD – order flag, variable flag

IMD – descriptive as to whether short/med/long – new GTIN per each

MEA – approximate total length or length range in pack (in MTR), or volume (MTQ)

PRI – price per MTR or MTQ

HYN – piece within pack (single HYN loop)

QTY/RNG – quantity (or range) of this piece

MEA – approximate piece length or length range

Note: EAN Australia recommends a new pack GTIN for each different pack piece count, i.e. restrict variability to piece length.

e) **Random Length Pack**

LIN – 9GTIN of pack

IMD – order flag, variable flag

IMD – descriptive as to whether short/med/long – new GTIN per each

MEA – approximate total length or length range in pack (in MTR), or volume (MTQ)

PRI – price per MTR or MTQ

HYN – piece within pack (repeat HYN loop or single HYN loop – see note)

QTY/RNG – quantity (range) of this piece

MEA – piece length or length range

Note: For a random pack, a repeating HYN loop can be used to give representative contents of a pack (will be similar to the representation of a standard mixed length pack), or a single HYN loop can be used, giving a range of piece lengths, and a range of piece counts. The latter is closer to the representation of a standard set length pack. For example, quantity range could be 130 to 150 pieces per pack, with a length range between 5.4 and 7.2 MTR. The HYN segment can be omitted.

f) **Bulk (e.g. woodchips)**

LIN – 9GTIN of bulk item

IMD – order flag, variable flag

PRI – price per MTR or MTQ

### Kit Assemblies

Below is an example of how a kit assembly could be represented in the PRICAT. 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. This uses the sub-lining mechanism.

LIN/PIA: identify **Door**

IMD – attribute values (finish1, finish2, finish3, colourA, colourB, patternX, patternY etc.)

LIN/PIA: identify **Window Pane Insert**

IMD – attribute values (size1, size2, size3, colourC, colourD, patternA, patternB)

LIN/PIA: identify **Handle**

IMD – attribute values (material1, material2, material3, colourC, colourD)

LIN/PIA: identify **Jamb**

IMD – attribute values (finish1, finish2, finish3, size1, size2)

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

# PRICAT Price Catalogue Message

## Notes:

Hardware industry Price Catalogue message, Implementation v1.0, April 2003

For the bilateral exchange of item catalogue and optionally item pricing and promotions data. (based on EANnet PRICAT).

Recommended numeric field formats shown as (x).(y) denote up to x characters before the decimal point and up to y characters after.

NB: For Retail (general merchandise) compliance see EAN Australia for EANnet PRICAT specification.

## 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      |              |                    |
|          | 0090     |         | Segment Group 2       | C           | R           |         | 99           |                    |
| 8        | 0100     | NAD     | Name and Address      | M           | M           | 1       |              |                    |
|          | 0120     |         | Segment Group 3       | C           | O           |         | 10           |                    |
| 11       | 0130     | RFF     | Reference             | M           | M           | 1       |              |                    |
|          | 0150     |         | Segment Group 4       | C           | O           |         | 5            |                    |
| 13       | 0160     | CTA     | Contact Information   | M           | M           | 1       |              |                    |
| 14       | 0170     | COM     | Communication Contact | C           | O           | 5       |              |                    |

## Detail Section:

| Page No. | Pos. No. | Seg. ID | Name                          | Base Status | User Status | Max.Use | Group Repeat | Notes and Comments |
|----------|----------|---------|-------------------------------|-------------|-------------|---------|--------------|--------------------|
|          | 0540     |         | Segment Group 16              | C           | R           |         | 1000         |                    |
| 16       | 0550     | PGI     | Product Group Information     | M           | M           | 1       |              |                    |
|          | 1140     |         | Segment Group 33              | C           | R           |         | 999999       |                    |
| 18       | 1150     | LIN     | Line Item                     | M           | M           | 1       |              |                    |
| 19       | 1160     | PIA     | Additional Product Id         | C           | D           | 10      |              |                    |
| 21       | 1170     | IMD     | Item Description              | C           | R           | 999     |              |                    |
| 24       | 1180     | MEA     | Measurements                  | C           | O           | 10      |              |                    |
| 27       | 1190     | QTY     | Quantity                      | C           | O           | 10      |              |                    |
| 28       | 1200     | HAN     | Handling Instructions         | C           | O           | 5       |              |                    |
| 29       | 1210     | ALI     | Additional Information        | C           | O           | 5       |              |                    |
| 31       | 1220     | DTM     | Date/Time/Period              | C           | O           | 10      |              |                    |
| 32       | 1270     | FTX     | Free Text                     | C           | O           | 5       |              |                    |
|          | 1320     |         | Segment Group 35              | C           | O           |         | 10           |                    |
| 34       | 1330     | TAX     | Duty/Tax/Fee Details          | M           | M           | 1       |              |                    |
|          | 1380     |         | Segment Group 37              | C           | O           |         | 100          |                    |
| 36       | 1390     | PRI     | Price Details                 | M           | M           | 1       |              |                    |
| 37       | 1400     | CUX     | Currencies                    | C           | O           | 1       |              |                    |
| 38       | 1410     | APR     | Additional Price Information  | C           | O           | 1       |              |                    |
| 39       | 1420     | RNG     | Range Details                 | C           | O           | 1       |              |                    |
| 40       | 1430     | DTM     | Date/Time/Period              | C           | O           | 5       |              |                    |
| 41       | 1435     | LOC     | Place/Location Identification | C           | O           | 99      |              |                    |
|          | 1450     |         | Segment Group 38              | C           | O           |         | 99           |                    |

Hardware Industry EDI Message Implementation Guidelines

|    |      |     |                          |   |   |     |
|----|------|-----|--------------------------|---|---|-----|
| 44 | 1460 | ALC | Allowance or Charge      | M | M | 1   |
| 46 | 1480 | DTM | Date/Time/Period         | C | O | 9   |
|    | 1520 |     | Segment Group 40         | C | D | 1   |
| 48 | 1530 | PCD | Percentage Details       | M | M | 1   |
|    | 1550 |     | Segment Group 41         | C | D | 2   |
| 50 | 1560 | MOA | Monetary Amount          | M | M | 1   |
|    | 1640 |     | Segment Group 44         | C | O | 10  |
| 52 | 1650 | PAC | Package                  | M | M | 1   |
|    | 1785 |     | Segment Group 48         | C | O | 999 |
| 55 | 1786 | HYN | Hierarchical Information | M | M | 1   |
| 56 | 1788 | QTY | Quantity                 | C | R | 1   |
| 57 | 1789 | RNG | Range Details            | C | O | 1   |
| 58 | 1790 | MEA | Measurements             | C | D | 5   |
| 59 | 1791 | 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 Price/sales catalogue message is PRICAT.  
 Note: Price/sales catalogue messages conforming to this document must contain the following data in segment UNH, composite S009:  
 Data element 0065 PRICAT 0052 D 0054 96A 0051 UN  
**Notes:** This segment is used to head, identify and specify a message.  
 Example: UNH+0001+PRICAT:D:96A:UN:EAN006'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 0062                |                          | <b>MESSAGE REFERENCE NUMBER</b>   | M an..14               | M                      |
|                     |                          | Sender's unique message reference. Sequence number of message in the interchange. Note: d.e. 0062 in the matching UNT segment will contain the same value. Generated by sender. |                        |                        |
| S009                |                          | <b>MESSAGE IDENTIFIER</b>   | M                      | M                      |
|                     | 0065                     | Message type identifier<br><i>PRICAT Price/sales catalogue message</i>  | M an..6                | M                      |
|                     | 0052                     | Message type version number<br><i>D Directory</i>   | M an..3                | M                      |
|                     | 0054                     | Message type release number<br><i>96A Version 96A</i>   | M an..3                | M                      |
|                     | 0051                     | Controlling agency<br><i>UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</i>  | M an..2                | M                      |
|                     | 0057                     | Association assigned code<br><i>EAN006 EAN Version Control Number</i>   | C an..6                | R                      |
| 0068                |                          | <b>COMMON ACCESS REFERENCE</b>  | C an..35               | X                      |
| S010                |                          | <b>STATUS OF THE TRANSFER</b>   | 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 Price/Sales catalogue by means of its type and number and when necessary its function.  
**Notes:** The message function, coded is the critical data element in this segment. It applies to all data in the message. See codes in data element 1225 for definitions.  
 Example: BGM+9+0001+2'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| C002                |                          | DOCUMENT/MESSAGE NAME  | C                      | R                      |
|                     | 1001                     | Document/message name, coded<br>9 <i>Price/sales catalogue</i>   | C an..3                | R                      |
|                     | 1131                     | Code list qualifier  | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded  | C an..3                | X                      |
|                     | 1000                     | Document/message name  | C an..35               | X                      |
| 1004                |                          | DOCUMENT/MESSAGE NUMBER  | C an..35               | R                      |
|                     |                          | Catalogue identifier   |                        |                        |
| 1225                |                          | MESSAGE FUNCTION, CODED  | C an..3                | R                      |
|                     | 2                        | <i>Addition</i><br>This code is used to add new products for the first time to your catalogue.   |                        |                        |
|                     | 3                        | <i>Deletion</i><br>This code is used to delete products from the supplier's catalogue. In the case of deletion of GTINs, each LIN segment to be deleted must be sent in the detail section.  |                        |                        |
|                     | 4                        | <i>Change</i><br>This code is used to modify any information relevant to a product already loaded in the catalogue. Only the segments containing modified information need be sent. However, all previously sent data in a modified segment must be sent.  |                        |                        |
|                     | 5                        | <i>Replace</i><br>This code is used to entirely replace all existing information for GTIN(s) included. This is the only mechanism available for "blanking out" fields that previously contained non-blank values, such as descriptions, dates etc.   |                        |                        |
|                     |                          | Any segments or data elements not provided, that had previously been sent for a GTIN, will be removed from the catalogue.  |                        |                        |
|                     | 9                        | <i>Original</i><br>When this code is used here in the BGM segment, then each line item LIN segment will contain d.e. 1229 - Action Code to be applied to each item.<br><br>(Note: when BGM contains an action code other than "9" then that code is applied to all line items in the PRICAT message; in that case, if the LIN segment action code is additionally provided it is ignored). |                        |                        |
|                     | 18                       | <i>Reissue</i><br>Used to replace entire catalogue. i.e. recipient to delete all items held for this supplier and replace with the contents of this catalogue.   |                        |                        |

This message function is used to "re-synchronise" data between supplier and buyer.

**4343**

**RESPONSE TYPE, CODED**

**C an..3 X**

**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 Price/sales catalogue document date.  
 Examples of the use of this DTM segment are: Lead times that apply to the whole Price/Sales catalogue or expiration date/time of the Price/sales catalogue.  
 The Date/time/period segment within other Segment groups should be used whenever the date/time/period requires to be logically related to another specified data item. e.g. the Reference date is specified within the RFF segment group.

**Notes:** This segment is used to specify the dates related to the catalogue.

Note that all equivalent DTM codes at the detail level (LIN loop) override their corresponding code if used here at this header level.

Example: DTM+7:20010608:102' (Effective date is 8th June 2001)

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                       | <u>Base Attributes</u>                                | <u>User Attributes</u> |
|---------------------|--------------------------|-----------------------------------|---|------------------------|
| C507                |                          | DATE/TIME/PERIOD                  | M   | M                      |
|                     | 2005                     | Date/time/period qualifier        | M an..3   | M                      |
|                     |                          | 7                                 | <i>Effective date/time</i>                            |                        |
|                     |                          |                                   | Effective date when ordering of product may commence. |                        |
|                     |                          | 137                               | <i>Document/message date/time</i>                     |                        |
|                     |                          |                                   | Mandatory - date of this message                      |                        |
|                     |                          | 157                               | <i>Validity start date</i>                            |                        |
|                     |                          |                                   | Public Release Date                                   |                        |
|                     |                          | 261                               | <i>Release date/time</i>                              |                        |
|                     |                          |                                   | Trading Partner Release Date                          |                        |
|                     | 362                      | <i>End availability date</i>      |   |                        |
| 2380                |                          | Date/time/period                  | C an..35  | R                      |
| 2379                |                          | Date/time/period format qualifier | C an..3   | R                      |
|                     | 102                      | CCYYMMDD                          |   |                        |

**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 0090  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 99  
**Purpose:** A group of segments identifying the parties with associated information relevant to the price/sales catalogue.

**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 | 0100            | NAD            | Name and Address                     | M                | 1               |                      |
|   | 0120            |                | Segment Group 3: Reference           | C                |                 | 10                   |
|   | 0150            |                | Segment Group 4: Contact Information | C                |                 | 5                    |

**Segment:** **NAD** Name and Address  
**Position:** 0100 (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. Identification of the sender and receiver parties is mandatory for the Price/sales catalogue message. It is recommended that where possible only the coded form of the party ID should be specified, e.g. The sender and the receiver are known to each other, thus only the coded ID is required, but the other parties specified in the message may vary and would have to be clearly specified, preferably in structured format.  
**Notes:** This segment is used to identify both the supplier sending the catalogue, and the recipient buyer or buying group.  
 Example: NAD+BY+9377778607658:14:9'

**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   |
|                     |                          | <i>BY Buyer</i>   |                        | Buying party being sent this catalogue may be a buying group, or an individual store. |
|                     |                          | <i>SU Supplier</i>  |                        |   |
| C082                |                          | <b>PARTY IDENTIFICATION DETAILS</b>   | C                      | D   |
|                     |                          | Dependency rule: Recommend that EAN Global Location Number - GLN is used, otherwise use legacy party codes or structured text name and address. |                        |   |
|                     | 3039                     | <b>Party id. identification</b>   | M an..35               | M   |
|                     |                          | Coded identification of information provider  |                        |   |
|                     | 1131                     | <b>Code list qualifier</b>  | C an..3                | D   |
|                     |                          | Dependency: Must use when the party identifier in data element 3039 is an EAN GLN - Global Location Number. Otherwise not used.                 |                        |   |
|                     |                          | <i>14 Global Location Number (GLN) format: n13</i>  |                        |   |
|                     | 3055                     | <b>Code list responsible agency, coded</b>  | C an..3                | O   |
|                     |                          | <i>9 EAN (International Article Numbering association)</i>  |                        | Must be used when 3039 = GLN.   |
|                     |                          | <i>91 Assigned by seller or seller's agent</i>  |                        |   |
|                     |                          | <i>92 Assigned by buyer or buyer's agent</i>  |                        |   |
| C058                |                          | <b>NAME AND ADDRESS</b>   | C                      | D   |
|                     |                          | Dependency: Must be used if C082 is not used, otherwise Optional.   |                        |   |
|                     | 3124                     | <b>Name and address line</b>  | M an..35               | M   |
|                     |                          | Company Name  |                        |   |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | O   |
|                     |                          | Trading Division  |                        |   |
|                     | 3124                     | <b>Name and address line</b>  | C an..35               | O   |
|                     |                          | Company URL (website address)   |                        |   |
|                     | 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                      | X   |
|                     | 3036                     | <b>Party name</b>   | M 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   |
|                     | 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   |
|                     |                          | Dependency rule: as per C058  |                        |   |

Hardware Industry EDI Message Implementation Guidelines

|             |             |   |          |               |                  |
|-------------|-------------|---|----------|---------------|------------------|
|             | <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 name                    |          |               |                  |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>                       | <b>C</b> | <b>an..35</b> | <b>O</b>         |
|             |             | Additional address information: e.g. suite #            |          |               |                  |
|             | <b>3042</b> | <b>Street and number/p.o. box</b>                       | <b>C</b> | <b>an..35</b> | <b>X</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, free text                               |          |               |                  |
|             |             | Dependency: Optional if C082 not used.                  |          |               |                  |
| <b>3229</b> |             | <b>COUNTRY SUB-ENTITY IDENTIFICATION</b>                | <b>C</b> | <b>an..9</b>  | <b>D</b>         |
|             |             | For state/province, use national standard abbreviations |          |               |                  |
|             |             | Dependency as per d.e. 3164                             |          |               |                  |
| <b>3251</b> |             | <b>POSTCODE IDENTIFICATION</b>                          | <b>C</b> | <b>an..9</b>  | <b>X</b>         |
|             |             | Postal code   |          |               |                  |
| <b>3207</b> |             | <b>COUNTRY, CODED</b>                                   | <b>C</b> | <b>an..3</b>  | <b>D</b>         |
|             |             | Other countries: any valid ISO 2-character country code |          |               |                  |
|             |             | Dependency as per d.e. 3164                             |          |               |                  |
|             |             | <i>AU</i>   |          |               | <i>Australia</i> |

**Group:** **RFF** Segment Group 3: Reference  
**Position:** 0120  
**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.

**Segment Summary**

|   | <u>Pos.</u><br><u>No.</u> | <u>Seg.</u><br><u>ID</u> | <u>Name</u> | <u>Req.</u><br><u>Des.</u> | <u>Max.</u><br><u>Use</u> | <u>Group:</u><br><u>Repeat</u> |
|---|---------------------------|--------------------------|-------------|----------------------------|---------------------------|--------------------------------|
| M | 0130                      | RFF                      | Reference   | M                          | 1                         |                                |

**Segment:** **RFF** Reference  
**Position:** 0130 (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 segment may be used for the supplier's ABN.  
 Example: RFF+XA:67111222333'

**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<br>XA <i>Company/place registration number</i> | M an..3                | M                      |
|                     | 1154                     | Reference number<br>Supplier's Australian Business Number (ABN).   | C an..35               | R                      |
|                     | 1156                     | Line number  | C an..6                | X                      |
|                     | 4000                     | Reference version number   | C an..35               | X                      |

**Group:** **CTA** Segment Group 4: Contact Information  
**Position:** 0150  
**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 person or department within the party identified in the NAD segment.  
**Notes:** Contact details

**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 | 0160            | CTA            | Contact Information   | M                | 1               |                      |
| O | 0170            | COM            | Communication Contact | C                | 5               |                      |

**Segment:** **CTA** Contact Information  
**Position:** 0160 (Trigger Segment)  
**Group:** SG2-SG4  
**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:** Example: CTA+CP+:FRED BLOGGS'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 3139                |                          | CONTACT FUNCTION, CODED                                   | C an..3                | R                      |
|                     |                          | <i>CP</i> Responsible person for computer data processing |                        |                        |
|                     |                          | <i>IC</i> Information contact                             |                        |                        |
| C056                |                          | DEPARTMENT OR EMPLOYEE DETAILS                            | C                      | R                      |
|                     | 3413                     | Department or employee identification                     | C an..17               | O                      |
|                     |                          | Business title  |                        |                        |
|                     | 3412                     | Department or employee                                    | C an..35               | R                      |
|                     |                          | Contact name  |                        |                        |

**Segment:** **COM** Communication Contact  
**Position:** 0170  
**Group:** SG2-SG4  
**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:** Example: COM+02 9567-9755: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>       |                        |                        |

**Group:** **PGI** Segment Group 16: Product Group Information  
**Position:** 0540  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 1000  
**Purpose:** A group of segments enabling the standard commercial factors relevant to a specific group of items to be specified. e.g. quantity related price break factors or minimum order quantity.  
**Notes:** Beginning of Detail section

**Segment Summary**

|   | <b>Pos. No.</b> | <b>Seg. ID</b> | <b>Name</b>                 | <b>Req. Des.</b> | <b>Max. Use</b> | <b>Group: Repeat</b> |
|---|-----------------|----------------|-----------------------------|------------------|-----------------|----------------------|
| M | 0550            | PGI            | Product Group Information   | M                | 1               |                      |
|   | 1140            |                | Segment Group 33: Line Item | C                |                 | 999999               |

**Segment:** **PGI** **Product Group Information**  
**Position:** 0550 (Trigger Segment)  
**Group:** SG16  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the products Price/Tariff group where applicable.  
**Notes:** This segment is used to group a set of related products together as assigned by the supplier at their discretion. It is through the use of such product grouping (and lower level Product IDs) that suppliers can structure their catalogue to reflect the business.

All products provided within LIN loops under the same PGI group belong to the same product group.

If the vendor is not using product groups, use 000 in d.e. 5389. This will set the description to "ungrouped products".

Note: data element 5388 product group description is mandatory when adding a new product group.

Example: PGI+11+001::90:Consumer Goods'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 5379                |                          | <b>PRODUCT GROUP TYPE, CODED</b><br><i>11 Product group</i>  | M an..3                | M                      |
| C288                |                          | <b>PRODUCT GROUP</b>   | C                      | R                      |
|                     | 5389                     | <b>Product group, coded</b><br>3 character product group identifier (use 000 to denote ungrouped products) | C an..3                | R                      |
|                     | 1131                     | <b>Code list qualifier</b>   | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b><br><i>90 Assigned by manufacturer</i>                           | C an..3                | O                      |
|                     | 5388                     | <b>Product group</b><br>Product Group description.   | C an..35               | D                      |

Note: Except where d.e. 5389 = "000", the product group description is recommended.

Dependency rule: Product group description must be sent when adding a new product group.

**Group:** **LIN** Segment Group 33: Line Item  
**Position:** 1140  
**Group:** Segment Group 16 (Product Group Information) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 999999  
**Purpose:** A group of segments providing the relevant price/sales information for the specified product/service.  
**Notes:** Segment group is required.

Note: This is the beginning of the detail loop which repeats to define each item. It includes, among many others, two fields; "Number of Base Units" in the QTY segment and "Units per Package" in the MEA segment. Both of these are referring to the current product level.

"Units per Package" refers to the number of units in this package.

"Number of Base Units" may not be the same if the units in this package themselves contain base units.

Consider a product packaging hierarchy of Trade Unit (carton) containing 4 Inners (non base), which each contain 6 Consumer units (base). The Trade Unit's value for "Units per Package" = 4, whilst "Number of Base Units"=4x6=24.

**TIMBER ITEM CHARACTERISTICS:**

The timber subsection of the Hardware industry Numbering and Barcoding guidelines lists the attributes of a timber trade item that are relevant when creating a new Global Trade Item Number (GTIN).

**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 | 1150        | LIN         | Line Item                                  | M           | 1           |               |
| D | 1160        | PIA         | Additional Product Id                      | C           | 10          |               |
| R | 1170        | IMD         | Item Description                           | C           | 999         |               |
| O | 1180        | MEA         | Measurements                               | C           | 10          |               |
| O | 1190        | QTY         | Quantity                                   | C           | 10          |               |
| O | 1200        | HAN         | Handling Instructions                      | C           | 5           |               |
| O | 1210        | ALI         | Additional Information                     | C           | 5           |               |
| O | 1220        | DTM         | Date/Time/Period                           | C           | 10          |               |
| O | 1270        | FTX         | Free Text                                  | C           | 5           |               |
|   | 1320        |             | Segment Group 35: Duty/Tax/Fee Details     | C           |             | 10            |
|   | 1380        |             | Segment Group 37: Price Details            | C           |             | 100           |
|   | 1450        |             | Segment Group 38: Allowance or Charge      | C           |             | 99            |
|   | 1640        |             | Segment Group 44: Package                  | C           |             | 10            |
|   | 1785        |             | Segment Group 48: Hierarchical Information | C           |             | 999           |

**Segment:** **LIN** Line Item  
**Position:** 1150 (Trigger Segment)  
**Group:** SG16-SG33  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the line item (or sub-line item in a configuration).  
**Notes:** Product Numbering note:

If an EAN Global Trade Item Number (GTIN) is used to identify the product, then according to EAN numbering rules it must identify the product to its lowest level of variance (excluding variable measure attributes such as length).

In keeping with this, although coded product attributes are allowed for, they should not be used to uniquely define a product, as the GTIN does this. They may be used to provide searchable attribute fields only.

In the case where non-EAN (legacy / proprietary) product numbering is being used, there are no rules; attributes may or may not be used to further define a product.

The Hardware Industry guidelines for Numbering and Barcoding will establish such rules for product identification.

**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>   | <b>C n..6</b>  | <b>D</b>               |
|                     |                          | Application-generated number of the lines within the PRICAT message.  |  |                        |
|                     |                          | Dependency: must be used if no other data element in this segment is used, to satisfy syntax rule (ie. LIN is a mandatory segment).   |  |                        |
| 1229                |                          | <b>ACTION REQUEST/NOTIFICATION, CODED</b>   | <b>C an..3</b>   | <b>D</b>               |
|                     |                          | Dependency rule: this action code is required if BGM data element 1225 = "9", otherwise ignored.  |  |                        |
|                     |                          | <i>1</i>  | <i>Added</i>   |                        |
|                     |                          | <i>2</i>  | <i>Deleted</i>   |                        |
|                     |                          | <i>3</i>  | <i>Changed</i>   |                        |
|                     |                          | <i>1E</i>   | <i>Correction of Error (EAN code)</i>                    |                        |
|                     |                          | <i>38</i>   | <i>Replace</i>   |                        |
| C212                |                          | <b>ITEM NUMBER IDENTIFICATION</b>   | <b>C</b>   | <b>D</b>               |
|                     |                          | Dependency rule: If the product has an EAN# (Global Trade Item Number GTIN) then it is mapped to this LIN segment. Otherwise, if internal product numbers are used, map to the PIA segment. |  |                        |
|                     | 7140                     | <b>Item number</b>  | <b>C an..35</b>  | <b>R</b>               |
|                     |                          | Primary GTIN  |  |                        |
|                     |                          | Format an..14 (UPC-8, UPC-12, EAN-8, EAN-13 or EAN-14)  |  |                        |
|                     | 7143                     | <b>Item number type, coded</b>  | <b>C an..3</b>   | <b>O</b>               |
|                     |                          | <i>EN</i>   | <i>International Article Numbering Association (EAN)</i> |                        |
|                     |                          | <i>UP</i>   | <i>UPC (Universal product code)</i>                      |                        |
|                     | 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>               |
| C829                |                          | <b>SUB-LINE INFORMATION</b>   | <b>C</b>   | <b>O</b>               |
|                     |                          | Used to create kit assemblies.  |  |                        |
|                     | 5495                     | <b>Sub-line indicator, coded</b>  | <b>C an..3</b>   | <b>R</b>               |
|                     |                          | <i>1</i>  | <i>Sub-line information</i>                              |                        |
|                     | 1082                     | <b>Line item number</b>   | <b>C n..6</b>  | <b>R</b>               |
| 1222                |                          | <b>CONFIGURATION LEVEL</b>  | <b>C n..2</b>  | <b>X</b>               |
| 7083                |                          | <b>CONFIGURATION, CODED</b>   | <b>C an..3</b>   | <b>X</b>               |

|                  |   |
|------------------|---|
| <b>Segment:</b>  | <b>PIA</b> Additional Product Id  |
| <b>Position:</b> | 1160  |
| <b>Group:</b>    | SG16-SG33   |
| <b>Level:</b>    | 3   |
| <b>Usage:</b>    | Conditional (Dependent)   |
| <b>Max Use:</b>  | 10  |
| <b>Purpose:</b>  | A segment for identifying a product in the Price Catalogue.   |
| <b>Notes:</b>    | This segment is used for the Product ID (SKU), vendor internal product number, substituted item, GTIN of Base Unit and UNSPSC code.   |
|                  | Note: UNSPSC classification is recommended for use in the Hardware industry and should be used wherever possible.   |
|                  | Examples:<br>PIA+4+9312345000005:EN'<br>(substituted item)<br><br>PIA+1+50141505:GD::6+9312345678907:EN+SKU123:MF'<br>(UNSPSC code 50141505, 9312345678907 is the GTIN of the Base Unit and SKU123 is the Vendor's Internal Reference). |
|                  | Note: subsequent occurrences of C212 may be used within one occurrence of the PIA segment (see example above). Note data elements 7140/7143 in those subsequent C212s are only Required if the parent C212 is used.                     |
|                  | Dependency: PIA segment must be used if the LIN segment C212 is not used.   |
|                  | See Product Numbering Note (on LIN segment)   |

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u>  | <u>User Attributes</u> |
|---------------------|--------------------------|---|---|------------------------|
| 4347                |                          | <b>PRODUCT ID. FUNCTION QUALIFIER</b>                       | M an..3   | M                      |
|                     |                          | <i>1</i> Additional identification                          |   |                        |
|                     |                          | <i>3</i> Substituted by                                     |   |                        |
|                     |                          |   | Use this code to advise of items that can be substituted for the main line item identified. |                        |
|                     |                          | <i>4</i> Substituted for                                    |   |                        |
| C212                |                          | <b>ITEM NUMBER IDENTIFICATION</b>                           | M   | M                      |
|                     | 7140                     | <b>Item number</b>  | C an..35  | R                      |
|                     |                          |   | See data element 7143 for actual field lengths.   |                        |
|                     | 7143                     | <b>Item number type, coded</b>                              | C an..3   | R                      |
|                     |                          | <i>EN</i> International Article Numbering Association (EAN) |   |                        |
|                     |                          |   | an..14  |                        |
|                     |                          |   | Used for the substituted for GTIN or the GTIN of Base Unit.                                 |                        |
|                     |                          | <i>GD</i> Classification code                               |   |                        |
|                     |                          |   | UNSPSC code is recommended and should be used wherever possible.                            |                        |
|                     |                          | <i>GU</i> Product ID (style number)                         |   |                        |
|                     |                          |   | an..20  |                        |
|                     |                          | <i>MF</i> Manufacturer's (producer's) article number        |   |                        |
|                     |                          |   | an..15  |                        |
|                     |                          |   | Dependency rule: Must be used if no GTIN is present in LIN segment.                         |                        |
|                     |                          | <i>UP</i> UPC (Universal product code)                      |   |                        |
|                     |                          |   | an..14  |                        |

|      |      |  |   |        |   |
|------|------|--|---|--------|---|
|      |      | Used for the substituted for GTIN or the GTIN of Base Unit.          |   |        |   |
|      | 1131 | Code list qualifier  | C | an..3  | X |
|      | 3055 | Code list responsible agency, coded                                  | C | an..3  | D |
|      |      | Dependency rule: Required only when data element 7143 = "GD" or "MF" |   |        |   |
|      | 6    | <i>UN/ECE (United Nations - Economic Commission for Europe)</i>      |   |        |   |
|      |      | Used to denote UNSPSC code is in 7140.                               |   |        |   |
|      | 60   | <i>Assigned by national trade agency</i>                             |   |        |   |
|      |      | Denotes an industry code is in 7140.                                 |   |        |   |
|      | 91   | <i>Assigned by seller or seller's agent</i>                          |   |        |   |
|      |      | Denotes the supplier's code is in 7140.                              |   |        |   |
|      | 92   | <i>Assigned by buyer or buyer's agent</i>                            |   |        |   |
|      |      | Denotes the buyer's code is in 7140.                                 |   |        |   |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>                                    | C |        | O |
|      |      | See C212 above for details   |   |        |   |
|      | 7140 | Item number  | C | an..35 | R |
|      | 7143 | Item number type, coded  | C | an..3  | R |
|      | 1131 | Code list qualifier  | C | an..3  | X |
|      | 3055 | Code list responsible agency, coded                                  | C | an..3  | D |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>                                    | C |        | O |
|      | 7140 | Item number  | C | an..35 | R |
|      | 7143 | Item number type, coded  | C | an..3  | R |
|      | 1131 | Code list qualifier  | C | an..3  | X |
|      | 3055 | Code list responsible agency, coded                                  | C | an..3  | D |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>                                    | C |        | O |
|      | 7140 | Item number  | C | an..35 | R |
|      | 7143 | Item number type, coded  | C | an..3  | R |
|      | 1131 | Code list qualifier  | C | an..3  | X |
|      | 3055 | Code list responsible agency, coded                                  | C | an..3  | D |
| C212 |      | <b>ITEM NUMBER IDENTIFICATION</b>                                    | C |        | O |
|      | 7140 | Item number  | C | an..35 | R |
|      | 7143 | Item number type, coded  | C | an..3  | R |
|      | 1131 | Code list qualifier  | C | an..3  | X |
|      | 3055 | Code list responsible agency, coded                                  | C | an..3  | D |

**Segment:** **IMD** Item Description  
**Position:** 1170  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Required)  
**Max Use:** 999  
**Purpose:** A segment for describing the product or service as well as its characteristics. This segment should be used for products or services that cannot be identified by a product code or article number.  
**Notes:** This segment is required at least for the mandatory (short) product id (SKU) description, GTIN description, unit type.

IMD+E++OPL::9:Short Style (Product ID) Desc'  
 IMD+A++OPL::9:Extended Style (Product ID) Description'  
 IMD+F:DSC+::9:GTIN Description'  
 IMD+F+BRN+::9:Green Thumb' (Brand)  
 IMD+F+TPE+::9:EcoFriend' (Variant)  
 IMD+D+DSC+::9:O'ECO PLANT FERT.' (Short cash register desc.)  
 IMD+D+DSC+::9::ECOFRIEND PLANT FERTILIZER' (Long cash register desc.)  
 IMD+C+98+32::90' (Supplier defined size code)  
 IMD+C+98+MED-32::60' (Trade agency/industry assigned size code)  
 IMD+C+35+BLU::90' (Supplier defined colour code)  
 IMD+E+35+:::MAUVE TINT' (Short colour description)  
 IMD+A+35+:::MAUVE TINT NUMBER 5' (Long colour desc.)  
 IMD+F+F01+:::Free Text'  
 IMD+C++ORU::9' (Order unit)  
 IMD+C++IN::9' (Invoice unit)  
 IMD+C::SU::9' (single base unit)  
 IMD+C++SG::9' (mixed base assortment)  
 IMD+F+79+:::PADLOCKS'  
 IMD+C+38+GRD01::90' (supplier defined grade code)

Note: In the timber industry numbering & barcoding guidelines, the attributes of a timber item which, if changed, cause the item GTIN to change are listed. They are attributes such as species, grade, finish, origin ...etc. These may be expressed within the item's description and/or discretely in this segment using codes in data element 7081 - Item Characteristic, coded then putting either a coded description in data element 7009 or a free format text description in data element 7008.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 7077                |                          | <b>ITEM DESCRIPTION TYPE, CODED</b>                     | <b>C an..3</b>         | <b>R</b>               |
|                     |                          | See examples for which code to use for each data field. |                        |                        |
|                     |                          | <i>A Free-form long description</i>                     |                        |                        |
|                     |                          | <i>C Code (from industry code list)</i>                 |                        |                        |
|                     |                          | <i>D Free-form price look up</i>                        |                        |                        |
|                     |                          | <i>E Free-form short description</i>                    |                        |                        |
|                     |                          | <i>F Free-form</i>                                      |                        |                        |
| 7081                |                          | <b>ITEM CHARACTERISTIC, CODED</b>                       | <b>C an..3</b>         | <b>O</b>               |
|                     |                          | <i>4 Finish</i>   |                        |                        |
|                     |                          | <i>27 Material</i>                                      |                        |                        |
|                     |                          | <i>35 Colour</i>  |                        |                        |
|                     |                          | <i>38 Grade</i>   |                        |                        |
|                     |                          | <i>44 Further Identifying Characteristic</i>            |                        |                        |
|                     |                          | <i>54 Section profile</i>                               |                        |                        |
|                     |                          | <i>79 Other physical description</i>                    |                        |                        |
|                     |                          | UNSPSC Code Description                                 |                        |                        |
|                     |                          | <i>98 Size</i>  |                        |                        |

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|             |             |   |  |          |
|-------------|-------------|---|--|----------|
|             | <b>126</b>  | <b><i>Pattern</i></b>   |  |          |
|             | <b>132</b>  | <b><i>Fabric</i></b>  |  |          |
|             | <b>BRN</b>  | <b><i>Brand/Trade Name (EAN Code)</i></b>   |  |          |
|             | <b>DSC</b>  | <b><i>GTIN Description (EAN code)</i></b>   |  |          |
|             | <b>F01</b>  | <b><i>1st attribute</i></b>   |  |          |
|             |             | Species   |  |          |
|             | <b>F02</b>  | <b><i>2nd attribute</i></b>   |  |          |
|             |             | Condition / dryness   |  |          |
|             | <b>F03</b>  | <b><i>3rd attribute</i></b>   |  |          |
|             |             | Treatment   |  |          |
|             | <b>F04</b>  | <b><i>4th attribute</i></b>   |  |          |
|             |             | Profile   |  |          |
|             | <b>F05</b>  | <b><i>5th attribute</i></b>   |  |          |
|             |             | Value-added   |  |          |
|             | <b>F06</b>  | <b><i>6th attribute</i></b>   |  |          |
|             |             | Other attribute as defined by trading partners  |  |          |
|             |             | Timber: Pack Configuration i.e. "set length", "random length", "cut to length", "random long" etc. Industry or trading partner agreed codes for these values in 7009, alternatively use 7008 description. |  |          |
|             | <b>F07</b>  | <b><i>7th attribute</i></b>   |  |          |
|             |             | Other attribute as defined by trading partners  |  |          |
|             |             | Timber: Pack Type e.g. "full", "half". Industry and/or trading partner agreed codes for these values in 7009, alternatively use 7008 description.   |  |          |
|             | <b>F08</b>  | <b><i>Timber use: Pack Tally Type</i></b>   |  |          |
|             | <b>F09</b>  | <b><i>Other attribute as defined by trading partners</i></b>  |  |          |
|             | <b>F10</b>  | <b><i>Other attribute as defined by trading partners</i></b>  |  |          |
|             | <b>IM</b>   | <b><i>Image available</i></b>   |  |          |
|             |             | Temporarily allocated code  |  |          |
|             | <b>STE</b>  | <b><i>Style (EAN Code)</i></b>  |  |          |
|             | <b>TPE</b>  | <b><i>Variant (EAN code)</i></b>  |  |          |
| <b>C273</b> |             | <b>ITEM DESCRIPTION</b>   | <b>C</b>   | <b>O</b> |
|             | <b>7009</b> | <b>Item description identification</b>  | <b>C an..17</b>  | <b>O</b> |
|             |             | May contain other codes (e.g. from industry or manufacturer code list) - see examples at the beginning of this segment.   |  |          |
|             |             | May include additional product attribute codes and descriptions (7009/7008). Codes to be agreed and advised by the industry. (Note: Standard coding for timber attributes has not yet been agreed).       |  |          |
|             |             | <b>BA</b>   | <b><i>Base Article (EAN Code)</i></b>  |          |
|             |             |   | Use 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><i>Consumer Unit</i></b>  |          |
|             |             | <b>DU</b>   | <b><i>Despatch Unit</i></b>  |          |
|             |             | <b>IN</b>   | <b><i>Invoice unit</i></b>   |          |
|             |             | <b>IT</b>   | <b><i>Intermediate Unit</i></b>  |          |
|             |             | <b>MA</b>   | <b><i>Mandatory (EAN Code)</i></b>   |          |
|             |             |   | Use to flag a component of a kit assembly as mandatory. All mandatory components must be flagged.                          |          |
|             |             | <b>OPL</b>  | <b><i>Product ID (Style) description</i></b>   |          |
|             |             | <b>ORU</b>  | <b><i>Ordering unit</i></b>  |          |
|             |             | <b>SG</b>   | <b><i>Mixed (base) assortment</i></b>  |          |
|             |             | <b>SU</b>   | <b><i>Single (base) unit</i></b>   |          |
|             |             | <b>TU</b>   | <b><i>Traded Unit</i></b>  |          |
|             |             | <b>VQ</b>   | <b><i>Variable measure item</i></b>  |          |
|             | <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> |
|             |             | <b>9</b>  | <b><i>EAN (International Article Numbering association)</i></b>  |          |

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|             |   |  |                 |          |
|-------------|---|--|-----------------|----------|
|             | <b>60</b>   | <i>Assigned by national trade agency</i> |                 |          |
|             | <b>90</b>   | <i>Assigned by manufacturer</i>          |                 |          |
| <b>7008</b> | <b>Item description</b>   |  | <b>C an..35</b> | <b>O</b> |
|             | Short product, colour and size descriptions, or 1st 35 characters of long description, extended description, brand, variant, long cash register description, UNSPSC description |  |                 |          |
| <b>7008</b> | <b>Item description</b>   |  | <b>C an..35</b> | <b>O</b> |
|             | 2nd 35 characters of long description, extended description, brand or variant, or short cash register description   |  |                 |          |
| <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:** 1180  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment to allow physical measurements and dimensions to be stated, where this is required for identification of the product.

**Notes:**

Examples:  
 MEA+AAE+AAA+KGM:250' (Net weight 250kg)  
 MEA+AAE+AAB+KGM:300' (Gross weight 300kg)  
 MEA+PD+HT+MMT:100' (Height of item = 100 millimetres)  
 MEA+PD+WD+MMT:400' (Width of item = 400 millimetres)  
 MEA+PD+DP+MMT:345' (Depth of item = 345 millimetres)  
 MEA+PD+ABJ+MTQ:0.1250' (Volume of item is 0.1250 cubic metres)

MEA+PD+PEH+MMT:14' (Horizontal peg = 14 millimetres)  
 MEA+PD+PEV+MMT:10' (Vertical peg = 10 millimetres)

MEA+PD+LAY+PCE:2' (Item configuration: 2 layers per pack)  
 MEA+PD+X1E+PCE:5' (Item configuration: 5 units in width of layer)  
 MEA+PD+X2E+PCE:3' (Item configuration: 3 units in depth of layer)  
 MEA+UC+UCO+PCE:6' (Units per Package = 6)

Pallet configuration and dimensions:  
 MEA+PD+NUL+PCE:12' (12 trade items per pallet layer)  
 MEA+PD+NPL+PCE:6' (6 pallet layers)  
 MEA+CT+NUP+PCE:72' (Total trade items per pallet)  
 MEA+PD+PHT+MMT:2000' (Pallet height is 2000 millimetres)  
 MEA+PD+PWD+MMT:1750' (Pallet width is 1750 millimetres)  
 MEA+PD+PDP+MMT:1750' (Pallet depth is 1750 millimetres)  
 MEA+AAE+PNW+KGM:75' (Pallet net weight is 75kg)  
 MEA+AAE+T+KGM:90' (Pallet gross weight is 90kg)  
 MEA+PD+PVO+MTQ:2' (Pallet volume is 2 cubic metres)

Timber industry:  
 6311=AAE, 6313=LN, 6411=MTR, 6314=total pack length, 6162/6152 or length range  
 (Means total summed length if pieces are being ordered at line level).

6311=AAE, 6313=ABJ, 6411=MTQ, 6314=pack volume

6311=AAE, 6313=UCO, 6411=PCE, 6314=total pieces in pack, 6162/6152 or range of  
 number of pieces in pack

6311=AAE, 6313=UCF, 6411=MTK, 6314=(panels) pack total area, 6162/6152 or total  
 area range

**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                      |
|                     |                          | AAE                               | Measurement                           |                        |
|                     |                          | CT                                | Counts                                |                        |
|                     |                          | PD                                | Physical dimensions (product ordered) |                        |
|                     |                          | UC                                | Useable contents (EAN code)           |                        |
| C502                |                          | MEASUREMENT DETAILS               | C                                     | R                      |
|                     | 6313                     | Measurement dimension, coded      | C an..3                               | R                      |
|                     |                          | AAA                               | Unit net weight                       |                        |
|                     |                          | (5).(3)                           |                                       |                        |

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|             |             |  |                |                        |
|-------------|-------------|--|----------------|------------------------|
|             | <b>AAB</b>  | <b>Unit gross weight</b><br>(5).(3)  |                |                        |
|             | <b>ABJ</b>  | <b>Volume</b><br>(5).(5)   |                |                        |
|             | <b>CT</b>   | <b>Contents of package</b><br>Required code<br>(12).(3)  |                |                        |
|             | <b>DP</b>   | <b>Depth</b><br>Breadth<br>(4).(3)   |                |                        |
|             | <b>HT</b>   | <b>Height dimension</b><br>(4).(3)   |                |                        |
|             | <b>LAY</b>  | <b>Number of layers of NLL (next lower level) pack</b><br>(4).(0)  |                |                        |
|             | <b>LN</b>   | <b>Length dimension</b><br>Use with 6311 = AAE for total length of timber pack if LIN contains GTIN of pack, else if LIN contains GTIN of piece, then use with 6311 = PD for standard length of piece. |                |                        |
|             | <b>NPL</b>  | <b>Number of pallet layers</b><br>(4).(0)  |                |                        |
|             | <b>NUL</b>  | <b>Trade items per pallet layer</b><br>(12).(0)  |                |                        |
|             | <b>NUP</b>  | <b>Number of trade items per pallet</b>  |                |                        |
|             | <b>PDP</b>  | <b>Pallet depth (breadth)</b><br>(12).(3)  |                |                        |
|             | <b>PEH</b>  | <b>Horizontal peg</b><br>(12).(3)  |                |                        |
|             | <b>PEV</b>  | <b>Vertical peg</b><br>(12).(3)  |                |                        |
|             | <b>PHT</b>  | <b>Pallet height</b><br>(12).(3)   |                |                        |
|             | <b>PNW</b>  | <b>Pallet net weight</b><br>(12).(3)   |                |                        |
|             | <b>PVO</b>  | <b>Pallet volume</b><br>(12).(3)   |                |                        |
|             | <b>PWD</b>  | <b>Pallet width (length)</b><br>(12).(3)   |                |                        |
|             | <b>T</b>    | <b>Tare weight</b><br>(12).(3)   |                |                        |
|             | <b>TH</b>   | <b>Thickness</b><br>May be used for panels piece GTINs   |                |                        |
|             | <b>UCF</b>  | <b>Area (temporary code)</b><br>Used for timber panels to give total area (with 6311=AAE).   |                |                        |
|             | <b>UCO</b>  | <b>Units per Package (EAN code)</b><br>(5).(0)   |                |                        |
|             | <b>WD</b>   | <b>Width dimension</b><br>Longest side<br>(4).(3)  |                |                        |
|             | <b>X1E</b>  | <b>Number of NLL (next lower level) units in width of layer</b><br>(12).(0)  |                |                        |
|             | <b>X2E</b>  | <b>Number of NLL (next lower level) units in depth of layer</b><br>(12).(0)  |                |                        |
| <b>C174</b> | <b>6321</b> | <b>Measurement significance, coded</b>   | <b>C</b>       | <b>an..3</b> <b>X</b>  |
|             | <b>6155</b> | <b>Measurement attribute, coded</b>  | <b>C</b>       | <b>an..3</b> <b>X</b>  |
|             | <b>6154</b> | <b>Measurement attribute</b>   | <b>C</b>       | <b>an..70</b> <b>X</b> |
|             |             | <b>VALUE/RANGE</b>   | <b>C</b>       | <b>R</b>               |
|             | <b>6411</b> | <b>Measure unit qualifier</b>  | <b>M</b>       | <b>an..3</b> <b>M</b>  |
|             |             | Note: these units of measurement apply to those dimensions being measured as identified by the code in data element 6313 - Measurement dimension, coded.   |                |                        |
|             |             | <b>CEN</b>   | <b>Hundred</b> |                        |

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|            |                            |
|------------|----------------------------|
| <b>CMK</b> | <i>Square centimetre</i>   |
| <b>CMQ</b> | <i>Cubic centimetre</i>    |
| <b>CMT</b> | <i>Centimetre</i>          |
| <b>DMT</b> | <i>Decimetre</i>           |
| <b>DZ</b>  | <i>Dozen</i>               |
| <b>EA</b>  | <i>Each</i>                |
| <b>FOT</b> | <i>Foot</i>                |
| <b>GLI</b> | <i>Gallon</i>              |
| <b>GRM</b> | <i>Gram</i>                |
| <b>INH</b> | <i>Inch</i>                |
| <b>KGM</b> | <i>Kilogram</i>            |
| <b>LM</b>  | <i>Linear Metre</i>        |
| <b>LTR</b> | <i>Litre</i>               |
| <b>MC</b>  | <i>Microgram</i>           |
| <b>MGM</b> | <i>Milligram</i>           |
| <b>MIN</b> | <i>Minute</i>              |
| <b>MLT</b> | <i>Millilitre</i>          |
| <b>MMQ</b> | <i>Cubic millimetre</i>    |
| <b>MMT</b> | <i>Millimetre</i>          |
| <b>MTK</b> | <i>Square metre</i>        |
| <b>MTQ</b> | <i>Cubic metre</i>         |
| <b>MTR</b> | <i>Metre</i>               |
| <b>ONZ</b> | <i>Ounce GB, US</i>        |
| <b>PI</b>  | <i>Percentage</i>          |
| <b>PCE</b> | <i>Pieces</i>              |
| <b>PND</b> | <i>Pound (EAN code)</i>    |
| <b>PR</b>  | <i>Pair</i>                |
| <b>PTI</b> | <i>Pint (UK)</i>           |
| <b>PTN</b> | <i>Portion (EAN code)</i>  |
| <b>ST</b>  | <i>Sheet</i>               |
| <b>TNE</b> | <i>Metric ton (1000kg)</i> |

|             |                                       |          |              |          |
|-------------|---------------------------------------|----------|--------------|----------|
| <b>6314</b> | <b>Measurement value</b>              | <b>C</b> | <b>n..18</b> | <b>R</b> |
|             | Numeric measurement value             |          |              |          |
| <b>6162</b> | <b>Range minimum</b>                  | <b>C</b> | <b>n..18</b> | <b>O</b> |
| <b>6152</b> | <b>Range maximum</b>                  | <b>C</b> | <b>n..18</b> | <b>O</b> |
| <b>6432</b> | <b>Significant digits</b>             | <b>C</b> | <b>n..2</b>  | <b>X</b> |
| <b>7383</b> | <b>SURFACE/LAYER INDICATOR, CODED</b> | <b>C</b> | <b>an..3</b> | <b>X</b> |

**Segment:** **QTY** Quantity  
**Position:** 1190  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment to specify pertinent quantities related to the specified price item line, e.g. minimum order quantity.  
**Notes:** This segment is used for minimum order quantity, order quantity multiple, number of base units and base units per pallet.

Note that price break quantities are mapped to the RNG segment within the PRI - Pricing loop.

Examples:

QTY+53:10:MTR' (Minimum order quantity is 10 metres)

QTY+43E:5:MTR' (Must be ordered in multiples of 5 metres, after minimum)

QTY+52:6:EA' (Number of base units is 6)

QTY+BUP:60:EA' (Base units per pallet = 60)

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u>   | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--|---|------------------------|------------------------|
| C186                |  | <b>QUANTITY DETAILS</b>   | M                      | M                      |
|                     | 6063   | <b>Quantity qualifier</b>   | M an..3                | M                      |
|                     |  | Codes 53 and 43E are for order quantities<br>Codes 52 and BUP are packaging quantities                                    |                        |                        |
|                     |  | 52 <i>Quantity per pack</i>   |                        |                        |
|                     |  | Used here, this code denotes the number of base units in the pack.  |                        |                        |
|                     |  | 53 <i>Minimum order quantity</i>  |                        |                        |
|                     |  | 43E <i>Order quantity multiple</i>  |                        |                        |
|                     |  | BUP <i>Base units per pallet</i>  |                        |                        |
|                     | 6060   | <b>Quantity</b>   | M n..15                | M                      |
|                     |  | integer (9).(0)   |                        |                        |
|                     | 6411   | <b>Measure unit qualifier</b>   | C an..3                | R                      |
|                     |  | Note: UOM codes source: UN Recommendation 20, Codes for Units of Measure used for international trade.                    |                        |                        |
|                     |  | Only code EA may be used for packaging quantities i.e. when 6063 = 52 or BUP. All codes may be used for order quantities. |                        |                        |
|                     |  | EA <i>Each</i>  |                        |                        |
|                     | GRM <i>Gram</i>  |   |                        |                        |
|                     | KGM <i>Kilogram</i>  |   |                        |                        |
|                     | LTR <i>Litre</i>   |   |                        |                        |
|                     | MTK <i>Square metre</i>  |   |                        |                        |
|                     | Preferred variable measure & pricing UOM for variable size panels items.                 |   |                        |                        |
|                     | MTQ <i>Cubic metre</i>   |   |                        |                        |
|                     | MTR <i>Metre</i>   |   |                        |                        |
|                     | Preferred variable and pricing Unit of Measure (UOM) for variable length (timber) items. |   |                        |                        |
|                     | TNE <i>Metric ton (1000kg)</i>   |   |                        |                        |

**Segment:** **HAN** Handling Instructions  
**Position:** 1200  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment providing information on required handling of materials in the line item, and additionally, if required, notifying hazardous materials.  
**Notes:** Hazardous goods information

Dependency notes: One of composites C524 or C218 must be used if this segment is used.

Data Element Summary

| <u>Data Element</u> | <u>Component Element</u>                    | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|---|--|------------------------|------------------------|
| C524                |   | <b>HANDLING INSTRUCTIONS</b>                         | C                      | D                      |
|                     | 4079  | <b>Handling instructions, coded</b>                  | C an..3                | R                      |
|                     |   | <i>HAC Class number</i>                              |                        |                        |
|                     |   | <i>HAH Hazchem code</i>                              |                        |                        |
|                     |   | <i>HAP Packaging group</i>                           |                        |                        |
|                     |   | <i>HAS Subsidiary risk</i>                           |                        |                        |
|                     | 1131  | <b>Code list qualifier</b>                           | C an..3                | X                      |
|                     | 3055  | <b>Code list responsible agency, coded</b>           | C an..3                | O                      |
|                     |   | <i>60 Assigned by national trade agency</i>          |                        |                        |
|                     | 4078  | <b>Handling instructions</b>                         | C an..70               | R                      |
| C218                |   | Class number (an..4)                                 |                        |                        |
|                     |   | OR   |                        |                        |
|                     |   | Subsidiary risk (n..4)                               |                        |                        |
|                     |   | OR   |                        |                        |
|                     |   | Packaging group (an..12)                             |                        |                        |
|                     |   | OR   |                        |                        |
|                     |   | Hazchem Code (an..10)                                |                        |                        |
|                     |   | <b>HAZARDOUS MATERIAL</b>                            | C                      | D                      |
|                     | 7419  | <b>Hazardous material class code, identification</b> | C an..4                | R                      |
|                     |   | UN Number (an..4)                                    |                        |                        |
| 1131                | <b>Code list qualifier</b>                  | C an..3  | O                      |                        |
|                     | <i>HMT Hazardous material standard text</i> |  |                        |                        |
| 3055                | <b>Code list responsible agency, coded</b>  | C an..3  | X                      |                        |

**Segment:** **ALI** Additional Information  
**Position:** 1210  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment specifying the relevant additional information for an item, e.g. country of origin.  
**Notes:** This segment is used to flag the item as an export item and / or denote the country of origin..  
 Example: ALI+++49E'

**Data Element Summary**

| <u>Data Element</u>   | <u>Component Element</u> | <u>Name</u>                       | <u>Base Attributes</u>        | <u>User Attributes</u> |
|---|--------------------------|-----------------------------------|-------------------------------|------------------------|
| 3239  |                          | <b>COUNTRY OF ORIGIN, CODED</b>   | C an..3                       | D                      |
| All 2-character ISO country codes are supported. Some examples include the following codes: |                          |                                   |                               |                        |
| Dependency: one of 3239 or 4183 must be used if this segment is used.                       |                          |                                   |                               |                        |
|   |                          | <i>AR</i>                         | <i>Argentina</i>              |                        |
|   |                          | <i>AT</i>                         | <i>Austria</i>                |                        |
|   |                          | <i>AU</i>                         | <i>Australia</i>              |                        |
|   |                          | <i>BR</i>                         | <i>Brazil</i>                 |                        |
|   |                          | <i>CA</i>                         | <i>Canada</i>                 |                        |
|   |                          | <i>CH</i>                         | <i>Switzerland</i>            |                        |
|   |                          | <i>CN</i>                         | <i>China</i>                  |                        |
|   |                          | <i>CO</i>                         | <i>Colombia</i>               |                        |
|   |                          | <i>DE</i>                         | <i>Germany</i>                |                        |
|   |                          | <i>DK</i>                         | <i>Denmark</i>                |                        |
|   |                          | <i>ES</i>                         | <i>Spain</i>                  |                        |
|   |                          | <i>FI</i>                         | <i>Finland</i>                |                        |
|   |                          | <i>FR</i>                         | <i>France</i>                 |                        |
|   |                          | <i>GB</i>                         | <i>United Kingdom</i>         |                        |
|   |                          | <i>GE</i>                         | <i>Belgium</i>                |                        |
|   |                          | <i>HK</i>                         | <i>Hong Kong</i>              |                        |
|   |                          | <i>IE</i>                         | <i>Ireland</i>                |                        |
|   |                          | <i>IT</i>                         | <i>Italy</i>                  |                        |
|   |                          | <i>JP</i>                         | <i>Japan</i>                  |                        |
|   |                          | <i>MX</i>                         | <i>Mexico</i>                 |                        |
|   |                          | <i>NL</i>                         | <i>Netherlands</i>            |                        |
|   |                          | <i>NO</i>                         | <i>Norway</i>                 |                        |
|   |                          | <i>NZ</i>                         | <i>New Zealand</i>            |                        |
|   |                          | <i>PL</i>                         | <i>Poland</i>                 |                        |
|   |                          | <i>PT</i>                         | <i>Portugal</i>               |                        |
|   |                          | <i>RU</i>                         | <i>Russian Federation</i>     |                        |
|   |                          | <i>SE</i>                         | <i>Sweden</i>                 |                        |
|   |                          | <i>SG</i>                         | <i>Singapore</i>              |                        |
|   |                          | <i>TW</i>                         | <i>Taiwan</i>                 |                        |
|   |                          | <i>US</i>                         | <i>United States</i>          |                        |
|   |                          | <i>ZA</i>                         | <i>South Africa</i>           |                        |
| 9213  |                          | <b>TYPE OF DUTY REGIME, CODED</b> | C an..3                       | X                      |
| 4183  |                          | <b>SPECIAL CONDITIONS, CODED</b>  | C an..3                       | D                      |
| Dependency: one of 4183 or 3239 must be used if this segment is used.                       |                          |                                   |                               |                        |
|   |                          | <i>49E</i>                        | <i>Export Only (EAN code)</i> |                        |
| 4183  |                          | <b>SPECIAL CONDITIONS, CODED</b>  | C an..3                       | X                      |
| 4183  |                          | <b>SPECIAL CONDITIONS, CODED</b>  | C an..3                       | X                      |
| 4183  |                          | <b>SPECIAL CONDITIONS, CODED</b>  | C an..3                       | X                      |



**Segment:** **DTM** Date/Time/Period  
**Position:** 1220  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment specifying the date, and when relevant, the time or period of an activity identified by the date/time/period qualifier. e.g. expiration date of the price/sales catalogue for the price item line.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| C507                |                          | <b>DATE/TIME/PERIOD</b>   | M                      | M                      |
|                     | 2005                     | <b>Date/time/period qualifier</b>   | M an..3                | M                      |
|                     |                          | 7 <i>Effective date/time</i>  |                        |                        |
|                     |                          | Effective date when ordering of product may commence. If not provided will default to the current date. |                        |                        |
|                     |                          | 157 <i>Validity start date</i>  |                        |                        |
|                     |                          | Public Release Date   |                        |                        |
|                     |                          | 169 <i>Lead time</i>  |                        |                        |
|                     |                          | (9).(0)   |                        |                        |
|                     |                          | 261 <i>Release date/time</i>  |                        |                        |
|                     |                          | Trading Partner Release Date  |                        |                        |
|                     |                          | 362 <i>End availability date</i>  |                        |                        |
|                     |                          | 41E <i>Product lifespan from time of production (total shelf life)</i>                                  |                        |                        |
|                     |                          | (4).(0)   |                        |                        |
|                     |                          | 49E <i>Minimum shelf life into DC</i>   |                        |                        |
|                     |                          | (4).(0)   |                        |                        |
|                     | 2380                     | <b>Date/time/period</b>   | C an..35               | R                      |
|                     | 2379                     | <b>Date/time/period format qualifier</b>  | C an..3                | R                      |
|                     |                          | 102 <i>CCYYMMDD</i>   |                        |                        |
|                     |                          | 804 <i>Day</i>  |                        |                        |
|                     |                          | Use for lead time and life span.  |                        |                        |

**Segment:** **FTX** Free Text  
**Position:** 1270  
**Group:** SG16-SG33  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment with free text information, in coded or clear form, used when additional information is needed at the line item levelled within other segment. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

**Notes:** Free text is not recommended in business-to-business integrated messaging as it causes exceptional (manual) handling.

**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              | M an..3                | M                      |
|                     |                          | <i>PKG Packaging information</i>    |                        |                        |
|                     |                          | <i>PRD Product information</i>      |                        |                        |
| 4453                |                          | TEXT FUNCTION, CODED                | 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               | O                      |
|                     | 4440                     | Free text                           | C an..70               | O                      |
|                     | 4440                     | Free text                           | C an..70               | O                      |
|                     | 4440                     | Free text                           | C an..70               | O                      |
| 3453                |                          | LANGUAGE, CODED                     | C an..3                | X                      |

**Group:** **TAX** Segment Group 35: Duty/Tax/Fee Details  
**Position:** 1320  
**Group:** Segment Group 33 (Line Item) Conditional (Required)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments specifying a tax type, category and rate relating to the item.

**Segment Summary**

|   | <u>Pos.</u><br><u>No.</u> | <u>Seg.</u><br><u>ID</u> | <u>Name</u>          | <u>Req.</u><br><u>Des.</u> | <u>Max.</u><br><u>Use</u> | <u>Group:</u><br><u>Repeat</u> |
|---|---------------------------|--------------------------|----------------------|----------------------------|---------------------------|--------------------------------|
| M | 1330                      | TAX                      | Duty/Tax/Fee Details | M                          | 1                         |                                |

**Segment:** **TAX** Duty/Tax/Fee Details  
**Position:** 1330 (Trigger Segment)  
**Group:** SG16-SG33-SG35  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying a tax type, category and rate, or exemption.

| 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<br>7 Tax               | M an..3                | M                      |
| C241                 |                          | DUTY/TAX/FEE TYPE                                      | C                      | R                      |
|                      | 5153                     | Duty/tax/fee type, coded<br>GST Goods and services tax | C an..3                | R                      |
|                      | 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                      | R                      |
|                      | 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<br>The actual GST 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                | X                      |
| 3446                 |                          | PARTY TAX IDENTIFICATION NUMBER                        | C an..20               | X                      |

**Group:** **PRI** Segment Group 37: Price Details  
**Position:** 1380  
**Group:** Segment Group 33 (Line Item) Conditional (Required)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 100  
**Purpose:** A group of segments identifying the details of the price information for the product or service identified in the PIT segment group.  
**Notes:** All prices (except margin managed and suggested retail) are exclusive of GST.

The PRI loop consists of price information followed by the ALC - Allowances (rebates/discounts) which comprise each price.

Each stated allowance will be flagged as either "off invoice" or "deferred". If it is "off invoice" it will be included in the invoice price ie. will have already been deducted from the List price. If it is "deferred" then it will not have been factored into the invoice price as it will be credited to the customer account using the agreed deferred rebate mechanism.

**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 | 1390        | PRI         | Price Details                 | M           | 1           |               |
| O | 1400        | CUX         | Currencies                    | C           | 1           |               |
| O | 1410        | APR         | Additional Price Information  | C           | 1           |               |
| O | 1420        | RNG         | Range Details                 | C           | 1           |               |
| O | 1430        | DTM         | Date/Time/Period              | C           | 5           |               |
| O | 1435        | LOC         | Place/Location Identification | C           | 99          |               |

**Segment:** **PRI** Price Details  
**Position:** 1390 (Trigger Segment)  
**Group:** SG16-SG33-SG37  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment providing either the unit or reference price and the price type, valid for the pricing group.  
**Notes:** Examples:

PRI+AAB+50.00:CA:LIU:1:EA' (List price)  
 PRI+AAA+46.00:CA:INV:1:EA' (Invoice price)  
 PRI+AAA+29.00:CA:PRP:1:EA' (Promotional price)  
 PRI+INF+75.00:CA:SRP:1:EA' (Suggested retail price)

**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>              | M an..3   | M                      |
|                     |                          | AAA                                 | <i>Calculation net</i><br>Used for both invoice price and promotional price.                                      |                        |
|                     |                          | AAB                                 | <i>Calculation gross</i><br>List price  |                        |
|                     |                          | INF                                 | <i>Information</i><br>Suggested retail or margin managed price  |                        |
|                     | 5118                     | <b>Price</b>                        | C n..15   | R                      |
|                     | 5375                     | <b>Price type, coded</b>            | C an..3   | R                      |
|                     |                          | CA                                  | <i>Catalogue</i>  |                        |
|                     |                          | RN                                  | <i>Rounded Up (temporary code)</i><br>Cut to length timber item price has been rounded up to the next set length. |                        |
|                     | 5387                     | <b>Price type qualifier</b>         | C an..3   | R                      |
|                     |                          | INV                                 | <i>Invoice price</i><br>= List price less all off invoice specific (trading terms) allowances                     |                        |
|                     |                          | LIU                                 | <i>List price (EAN code)</i>  |                        |
|                     |                          | PRP                                 | <i>Promotional price</i>  |                        |
|                     |                          | RTP                                 | <i>Retail price</i>   |                        |
|                     |                          | SRP                                 | <i>Margin Managed price</i><br><i>Suggested retail price</i>  |                        |
|                     | 5284                     | <b>Unit price basis</b>             | C n..9  | R                      |
|                     | 6411                     | <b>Measure unit qualifier</b>       | C an..3   | R                      |
|                     |                          | EA                                  | <i>Each</i>   |                        |
|                     |                          | GRM                                 | <i>Gram</i>   |                        |
|                     |                          | KGM                                 | <i>Kilogram</i>   |                        |
|                     |                          | LTR                                 | <i>Litre</i>  |                        |
|                     |                          | MTK                                 | <i>Square metre</i>   |                        |
|                     |                          | MTQ                                 | <i>Cubic metre</i>  |                        |
|                     |                          | MTR                                 | <i>Metre</i>  |                        |
|                     |                          | PCE                                 | <i>Piece</i>  |                        |
|                     |                          | TNE                                 | <i>Metric ton (1000kg)</i>  |                        |
| 5213                |                          | <b>SUB-LINE PRICE CHANGE, CODED</b> | C an..3   | X                      |

**Segment:** **CUX** Currencies  
**Position:** 1400  
**Group:** SG16-SG33-SG37  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment identifying the currency in which the price is expressed.  
**Notes:** Optional segment; if not used all prices will be defaulted to Australian Dollars (AUD).

| Data Element Summary |                          |                                 |                        |                        |
|----------------------|--------------------------|---------------------------------|------------------------|------------------------|
| <u>Data Element</u>  | <u>Component Element</u> | <u>Name</u>                     | <u>Base Attributes</u> | <u>User Attributes</u> |
| C504                 |                          | CURRENCY DETAILS                | C                      | R                      |
|                      | 6347                     | Currency details qualifier      | M an..3                | M                      |
|                      |                          | 2 <i>Reference currency</i>     |                        |                        |
|                      | 6345                     | Currency, coded                 | C an..3                | R                      |
|                      |                          | AUD <i>Australian Dollar</i>    |                        |                        |
|                      |                          | NZD <i>New Zealand Dollar</i>   |                        |                        |
| C504                 | 6343                     | Currency qualifier              | C an..3                | R                      |
|                      |                          | 8 <i>Price list currency</i>    |                        |                        |
|                      | 6348                     | Currency rate base              | C n..4                 | X                      |
|                      |                          | CURRENCY DETAILS                | C                      | X                      |
| 5402                 | 6347                     | Currency details qualifier      | M an..3                | X                      |
|                      | 6345                     | Currency, coded                 | C an..3                | X                      |
|                      | 6343                     | Currency qualifier              | C an..3                | X                      |
|                      | 6348                     | Currency rate base              | C n..4                 | X                      |
| 6341                 |                          | RATE OF EXCHANGE                | C n..12                | X                      |
|                      |                          | CURRENCY MARKET EXCHANGE, CODED | C an..3                | X                      |

**Segment:** **APR** Additional Price Information  
**Position:** 1410  
**Group:** SG16-SG33-SG37  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment to identify additional pricing information related to the class or type of trade and additionally identifying the reason for any change.  
**Notes:** This segment is used to optionally express the reason for a price change.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                                 | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 4043                |                          | CLASS OF TRADE, CODED                       | C an..3                | X                      |
| C138                |                          | PRICE MULTIPLIER INFORMATION                | C                      | X                      |
|                     | 5394                     | Price multiplier                            | M n..12                | X                      |
|                     | 5393                     | Price multiplier qualifier                  | C an..3                | X                      |
| C960                |                          | REASON FOR CHANGE                           | C                      | R                      |
|                     | 4295                     | Change reason, coded                        | C an..3                | R                      |
|                     |                          | <i>JL Job lot</i>                           |                        |                        |
|                     |                          | <i>NI New item</i>                          |                        |                        |
|                     |                          | <i>PI Price increase</i>                    |                        |                        |
|                     |                          | <i>PR Price reduction</i>                   |                        |                        |
|                     |                          | <i>QB Quantity buy</i>                      |                        |                        |
|                     |                          | <i>SC Size difference</i>                   |                        |                        |
|                     |                          | <i>TPR Temporary price reduction</i>        |                        |                        |
|                     | 1131                     | Code list qualifier                         | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded         | C an..3                | R                      |
|                     |                          | <i>60 Assigned by national trade agency</i> |                        |                        |
|                     | 4294                     | Change reason                               | C an..35               | X                      |

**Segment:** **RNG** Range Details  
**Position:** 1420  
**Group:** SG16-SG33-SG37  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment to identify a quantity or an amount range to which the price information applies.

**Notes:** This segment is used for price quantity breaks.

Dependency note: one or both price quantity min/max must be shown if this segment is used.

RNG+6+EA:100:200'

Price specified in previous PRI segment only applies to a minimum quantity of 100 items and maxim of 200 items.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                    | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--------------------------------|------------------------|------------------------|
| 6167                |                          | RANGE TYPE QUALIFIER           | M an..3                | M                      |
|                     |                          | 6 <i>Order quantity range</i>  |                        |                        |
| C280                | 6411                     | RANGE Measure unit qualifier   | C M an..3              | R M                    |
|                     |                          | EA <i>Each</i>                 |                        |                        |
|                     |                          | GRM <i>Gram</i>                |                        |                        |
|                     |                          | KGM <i>Kilogram</i>            |                        |                        |
|                     |                          | LTR <i>Litre</i>               |                        |                        |
|                     |                          | MTK <i>Square metre</i>        |                        |                        |
|                     |                          | MTQ <i>Cubic metre</i>         |                        |                        |
|                     |                          | MTR <i>Metre</i>               |                        |                        |
|                     |                          | PCE <i>Piece</i>               |                        |                        |
|                     |                          | TNE <i>Metric ton (1000kg)</i> |                        |                        |
| 6162                |                          | Range minimum                  | C n..18                | D                      |
|                     |                          | price quantity minimum         |                        |                        |
| 6152                |                          | Range maximum                  | C n..18                | D                      |
|                     |                          | price quantity maximum         |                        |                        |

**Segment:** **DTM** Date/Time/Period  
**Position:** 1430  
**Group:** SG16-SG33-SG37  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment to identify the date/time/period information related to the price information, e.g. period of validity.  
**Notes:** This segment is used to provide start and/or end dates relative to the price. These are the dates for which this price applies..

Example: DTM+194:20010721:102'  
 (Start date is 21st July 2001)

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                       | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|-----------------------------------|------------------------|------------------------|
| C507                |                          | DATE/TIME/PERIOD                  | M                      | M                      |
|                     | 2005                     | Date/time/period qualifier        | M an..3                | M                      |
|                     |                          | 194 <i>Start date/time</i>        |                        |                        |
|                     |                          | 206 <i>End date/time</i>          |                        |                        |
|                     | 2380                     | Date/time/period                  | C an..35               | R                      |
|                     | 2379                     | Date/time/period format qualifier | C an..3                | R                      |
|                     |                          | 102 <i>CCYYMMDD</i>               |                        |                        |

**Segment:** **LOC** Place/Location Identification  
**Position:** 1435  
**Group:** SG16-SG33-SG37  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** To identify a country/place/location/related location one/related location two.  
**Notes:** This segment is used to allocate the price to specific trading partners, nominate applicable states and sources of supply relevant to the price.

Examples:

LOC+8+GLN-of-customer::9' (Customer to whom this price applies e.g. buying group in header NAD, this is the individual store)  
 LOC+162+12345::92' (Buyer-assigned price location)  
 LOC+162+ABC123::91' (Supplier-assigned price location)  
 LOC+162++VIC::ZZZ' (State for which this price applies)  
 LOC+7+++DC::ZZZ' (Price applies for supply to Distribution Centre only)

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>                             | M an..3                | M                      |
|                     |                          | 7 <i>Place of delivery</i>                                  |                        |                        |
|                     |                          | 8 <i>Place of destination</i>                               |                        |                        |
|                     |                          | Use with GLN(s) of customer(s) to whom this price applies.  |                        |                        |
|                     |                          | 162 <i>Place or location of sale</i>                        |                        |                        |
| C517                |                          | <b>LOCATION IDENTIFICATION</b>                              | C                      | D                      |
|                     |                          | Dependency note: must be used when data element 3227 = "8". |                        |                        |
|                     | 3225                     | <b>Place/location identification</b>                        | C an..25               | R                      |
|                     |                          | GLN of customer (n13) or other location identifier          |                        |                        |
|                     | 1131                     | <b>Code list qualifier</b>                                  | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b>                  | C an..3                | O                      |
|                     |                          | 9 <i>EAN (International Article Numbering association)</i>  |                        |                        |
|                     |                          | 91 <i>Assigned by seller or seller's agent</i>              |                        |                        |
|                     |                          | 92 <i>Assigned by buyer or buyer's agent</i>                |                        |                        |
|                     | 3224                     | <b>Place/location</b>                                       | C an..70               | X                      |
| C519                |                          | <b>RELATED LOCATION ONE IDENTIFICATION</b>                  | C                      | O                      |
|                     | 3223                     | <b>Related place/location one identification</b>            | C an..25               | R                      |
|                     |                          | ACT <i>Australian Capital Territory</i>                     |                        |                        |
|                     |                          | FNQ <i>Far North Queensland</i>                             |                        |                        |
|                     |                          | NAT <i>National</i>   |                        |                        |
|                     |                          | NSW <i>New South Wales</i>                                  |                        |                        |
|                     |                          | NT <i>Northern Territory</i>                                |                        |                        |
|                     |                          | QLD <i>Queensland</i>                                       |                        |                        |
|                     |                          | SA <i>South Australia</i>                                   |                        |                        |
|                     |                          | TAS <i>Tasmania</i>   |                        |                        |
|                     |                          | VIC <i>Victoria</i>   |                        |                        |
|                     |                          | WA <i>Western Australia</i>                                 |                        |                        |
|                     |                          | WAC <i>Western Australia Country</i>                        |                        |                        |
|                     |                          | WAM <i>Western Australia Metro.</i>                         |                        |                        |
|                     | 1131                     | <b>Code list qualifier</b>                                  | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b>                  | C an..3                | O                      |
|                     |                          | ZZZ <i>Mutually defined</i>                                 |                        |                        |
|                     | 3222                     | <b>Related place/location one</b>                           | C an..70               | X                      |
| C553                |                          | <b>RELATED LOCATION TWO IDENTIFICATION</b>                  | C                      | D                      |
|                     |                          | Dependency rule: must be used if data element 3227 = "7".   |                        |                        |
|                     | 3233                     | <b>Related place/location two identification</b>            | C an..25               | R                      |
|                     |                          | Source of supply: the point of delivery to the customer.    |                        |                        |

Hardware Industry EDI Message Implementation Guidelines

|             |             |  |          |               |          |
|-------------|-------------|--|----------|---------------|----------|
|             | <i>CD</i>   | <i>Cross Dock</i>                          |          |               |          |
|             | <i>DC</i>   | <i>Distribution Centre</i>                 |          |               |          |
|             | <i>DTS</i>  | <i>Direct To Store</i>                     |          |               |          |
|             | <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>O</b> |
|             |             | <i>ZZZ</i>                                 |          |               |          |
|             |             | <i>Mutually defined</i>                    |          |               |          |
|             | <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:** **ALC** Segment Group 38: Allowance or Charge  
**Position:** 1450  
**Group:** Segment Group 33 (Line Item) Conditional (Required)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 99  
**Purpose:** A group of segments specifying allowances and charges for the price item line. When relevant, additional information, date information, tax details may be indicated. The basis for the calculation of the allowance/charge may be a quantity, a percentage, an amount or a rate and one of the groups 39-40 should be used accordingly.

**Notes:** This ALC group specifies both specific allowances/charges (trade terms) which come off invoice prices only, as well as promotional components which apply to promotional prices only.

See each code for which may be used where.

See note on PRI group which explains how allowances (rebates/discounts) are represented in this message).

**Segment Summary**

|   | <b>Pos. No.</b> | <b>Seg. ID</b> | <b>Name</b>                          | <b>Req. Des.</b> | <b>Max. Use</b> | <b>Group: Repeat</b> |
|---|-----------------|----------------|--------------------------------------|------------------|-----------------|----------------------|
| M | 1460            | ALC            | Allowance or Charge                  | M                | 1               |                      |
| O | 1480            | DTM            | Date/Time/Period                     | C                | 9               |                      |
|   | 1520            |                | Segment Group 40: Percentage Details | C                |                 | 1                    |
|   | 1550            |                | Segment Group 41: Monetary Amount    | C                |                 | 2                    |

**Segment:** **ALC** Allowance or Charge  
**Position:** 1460 (Trigger Segment)  
**Group:** SG16-SG33-SG38  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the charge or allowance and, where necessary its calculation sequence.  
**Notes:** Example:  
 ALC+A++2+1+ACZ:::001'  
 (Ullage allowance - off invoice, linked back to price cross reference of 001).

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| 5463                |                          | <b>ALLOWANCE OR CHARGE QUALIFIER</b>  | M an..3                | M                      |
|                     |                          | A Allowance   |                        |                        |
|                     |                          | C Charge  |                        |                        |
| C552                |                          | <b>ALLOWANCE/CHARGE INFORMATION</b>   | C                      | D                      |
|                     |                          | Dependency rule: must be used for promotion number for promotion type prices ie. PRI data element 5387 = PRP.   |                        |                        |
|                     | 1230                     | <b>Allowance or charge number</b>   | C an..35               | R                      |
|                     |                          | Promotion number (customer's).  |                        |                        |
|                     | 5189                     | <b>Charge/allowance description, coded</b>  | C an..3                | O                      |
|                     |                          | 32 Courier fee  |                        |                        |
| 4471                |                          | <b>SETTLEMENT, CODED</b>  | C an..3                | O                      |
|                     |                          | 2 Off invoice   |                        |                        |
|                     |                          | 4 Credit customer account   |                        |                        |
|                     |                          | 5 Charge to be paid by vendor   |                        |                        |
|                     |                          | Use for promotions co-op payment.   |                        |                        |
|                     |                          | 6 Charge to be paid by customer   |                        |                        |
|                     |                          | Use for freight charge  |                        |                        |
| 1227                |                          | <b>CALCULATION SEQUENCE INDICATOR, CODED</b>  | C an..3                | R                      |
|                     |                          | 1 First step of calculation   |                        |                        |
| C214                |                          | <b>SPECIAL SERVICES IDENTIFICATION</b>  | C                      | R                      |
|                     | 7161                     | <b>Special services, coded</b>  | C an..3                | R                      |
|                     |                          | Contains either a specific allowance/charge (trading term) code - for invoice prices only, or a promotional component discount - for promotional prices only. |                        |                        |
|                     |                          | ABH Throughput allowance  |                        |                        |
|                     |                          | Discount based on the reaching of an agreed threshold on the quantity of this product being issued from the warehouse (into stores).                          |                        |                        |
|                     |                          | ABZ Miscellaneous rebate or discount  |                        |                        |
|                     |                          | ACZ Damaged merchandise   |                        |                        |
|                     |                          | ullage allowance trading term - discount offered in anticipation of some damage during transport  |                        |                        |
|                     |                          | DAE Distributor discount/allowance  |                        |                        |
|                     |                          | warehouse allowance trading term - discount offered for delivery to the warehouse rather than direct to store   |                        |                        |
|                     |                          | EAB Early payment allowance   |                        |                        |
|                     |                          | settlement (early payment) discount trading term  |                        |                        |
|                     |                          | FC Freight charge   |                        |                        |
|                     |                          | delivery charge trading term (charge to be paid by customer - 4471 = 6)   |                        |                        |
|                     |                          | INT Introduction allowance (EAN code)   |                        |                        |
|                     |                          | Discount off price for new product introduction   |                        |                        |
|                     |                          | PAD Promotional allowance   |                        |                        |
|                     |                          | promotional discount - 1  |                        |                        |

|             |  |   |          |               |          |
|-------------|--|---|----------|---------------|----------|
|             | <b>P</b>                                   | <b>Promotional discount</b>   |          |               |          |
|             |  | promotional discount - 2  |          |               |          |
|             | <b>P</b>                                   | <b>Partnership allowance (Co-op) (EAN code)</b>   |          |               |          |
|             |  | promotion (co-op payment - 4471 = 5)  |          |               |          |
|             | <b>P</b>                                   | <b>Point of Sale Scans</b>  |          |               |          |
|             |  | Discount offered based on sales quantities.   |          |               |          |
|             | <b>Q</b>                                   | <b>Quantity discount</b>  |          |               |          |
|             |  | Discount offered based on agreed order quantities. There should be a RNG segment used to quote the quantity basis.  |          |               |          |
|             | <b>T</b>                                   | <b>Trade discount</b>   |          |               |          |
|             |  | Agreed trade discount   |          |               |          |
|             | <b>T</b>                                   | <b>Temporary allowance</b>  |          |               |          |
|             | <b>V</b>                                   | <b>Volume discount</b>  |          |               |          |
|             |  | Discount offered based on a volume of this item purchased over a specified period.  |          |               |          |
| <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>D</b> |
|             |  | Dependency rule: must be used when data element 7161 = "INT" or "PAR" otherwise not used.   |          |               |          |
|             | <b>9</b>                                   | <b>EAN (International Article Numbering association)</b>  |          |               |          |
| <b>7160</b> | <b>Special service</b>                     |   | <b>C</b> | <b>an..35</b> | <b>R</b> |
|             |  | This data element contains a cross reference to the price occurrence number that this allowance applies to.   |          |               |          |
|             |  | As the ALC loop is outside of the PRI loop (ie. not nested) a price cross reference is the mechanism used to associate the relevant allowances or discounts to the corresponding price. |          |               |          |
|             |  | Eg. if the current ALC segment is to be associated with the price in the 4th occurrence of the PRI segment, then the "Price Cross Reference" in this data element value is "004".       |          |               |          |
| <b>7160</b> | <b>Special service</b>                     |   | <b>C</b> | <b>an..35</b> | <b>O</b> |
|             |  | Identifier of the customer for which BOTH the price and this allowance applies.   |          |               |          |

**Segment:** **DTM** Date/Time/Period  
**Position:** 1480  
**Group:** SG16-SG33-SG38  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 9  
**Purpose:** A segment indicating any dates, times or periods applicable to the allowances and charges specified at detail level.

**Notes:** This segment is optionally used to indicate Point Of Sale (POS) start/end dates for a promotional price only.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>                       | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|-----------------------------------|------------------------|------------------------|
| C507                |                          | DATE/TIME/PERIOD                  | M                      | M                      |
|                     | 2005                     | Date/time/period qualifier        | M an..3                | M                      |
|                     |                          | 194 <i>Start date/time</i>        |                        |                        |
|                     |                          | for selling at POS                |                        |                        |
|                     |                          | 206 <i>End date/time</i>          |                        |                        |
|                     |                          | for selling at POS                |                        |                        |
|                     | 2380                     | Date/time/period                  | C an..35               | R                      |
|                     | 2379                     | Date/time/period format qualifier | C an..3                | R                      |
|                     |                          | 102 <i>CCYYMMDD</i>               |                        |                        |

**Group:** **PCD** Segment Group 40: Percentage Details  
**Position:** 1520  
**Group:** Segment Group 38 (Allowance or Charge) Conditional (Optional)  
**Level:** 4  
**Usage:** Conditional (Dependent)  
**Max Use:** 1  
**Purpose:** A group of segments specifying the percentage for the allowance or charge, e.g. The allowance/charge amount is calculated as 5% of the goods value or a price reduction of 5% may be specified if the goods quantity ordered is within the range 5 tons to 10 tons.  
**Notes:** Dependency rule: PCD loop must be used in the ALC loop if the subsequent MOA is not used, otherwise optional.

**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 | 1530            | PCD            | Percentage Details | M                | 1               |                      |

**Segment:** **PCD** Percentage Details  
**Position:** 1530 (Trigger Segment)  
**Group:** SG16-SG33-SG38-SG40  
**Level:** 4  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>   | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|---|------------------------|------------------------|
| C501                |                          | PERCENTAGE DETAILS  | M                      | M                      |
|                     | 5245                     | Percentage qualifier<br>3 <i>Allowance or charge</i>  | M an..3                | M                      |
|                     | 5482                     | Percentage<br>Percentage of allowance or charge provided in the associated ALC segment. Format (3).(3). | C n..10                | R                      |
|                     | 5249                     | Percentage basis, coded   | C an..3                | X                      |
|                     | 1131                     | Code list qualifier   | C an..3                | X                      |
|                     | 3055                     | Code list responsible agency, coded   | C an..3                | X                      |

**Group:** **MOA** Segment Group 41: Monetary Amount  
**Position:** 1550  
**Group:** Segment Group 38 (Allowance or Charge) Conditional (Optional)  
**Level:** 4  
**Usage:** Conditional (Dependent)  
**Max Use:** 2  
**Purpose:** A group of segments specifying a monetary amount for an allowance or charge. A range to which the allowance or charge applies can be specified, e.g. an allowance of 5000 BEF may be specified if goods value ordered is greater than 100000 BEF.  
**Notes:** Dependency rule: MOA loop must be used in the ALC loop if the earlier PCD is not used, otherwise optional.

**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 | 1560            | MOA            | Monetary Amount | M                | 1               |                      |

**Segment:** **MOA** Monetary Amount  
**Position:** 1560 (Trigger Segment)  
**Group:** SG16-SG33-SG38-SG41  
**Level:** 4  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the monetary amount for the allowance or charge.

| 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                      |
|                      |                          | 23 <i>Charge amount</i>   |                        |                        |
|                      |                          | 204 <i>Allowance amount</i>   |                        |                        |
|                      | 5004                     | Monetary amount   | C n..18                | R                      |
|                      |                          | Amount of allowance or charge, including decimal point as required - format (13).(2). |                        |                        |
|                      | 6345                     | Currency, coded   | C an..3                | X                      |
|                      | 6343                     | Currency qualifier  | C an..3                | X                      |
|                      | 4405                     | Status, coded   | C an..3                | X                      |

**Group:** **PAC** Segment Group 44: Package  
**Position:** 1640  
**Group:** Segment Group 33 (Line Item) Conditional (Required)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments identifying the packaging, physical dimensions, for the Price item line. If required, providing handling instructions and notification of hazardous materials.  
**Notes:** Optionally used to specify packaging type and material.

**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 | 1650            | PAC            | Package     | M                | 1               |                      |

**Segment:** **PAC** Package  
**Position:** 1650 (Trigger Segment)  
**Group:** SG16-SG33-SG44  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying the physical type of packages for the Price item line.  
**Notes:** Example:

PAC+++BG::PA' (Paper Bag)  
 PAC+++CT::CFB' (Corrugated fibreboard Carton)

**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                 | X                      |
| 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                      | R                      |
|                     | 7065                     | Type of packages identification       | C an..17               | R                      |

Full UN Recommendation 21 code list may apply, or industry-specific packaging codes. Some examples shown in code list:

- AE Aerosol*
- AT Atomizer*
- BA Barrel*
- BE Bundle*
- BG Bag*
- BLS Bolster*
- BME Blister pack (EAN code)*
- BO Bottle*
- BX Box*
- CG Card*
- CH Container*
- CMS Clamshell*
- CR Crate*
- CT Carton*
- CU Cup*
- CX Can*
- CY Cylinder*
- D99 Sleeve*
- DR Drum*
- EN Envelope (sachet)*
- JR Jar*
- LAB Label / Tag*
- MPE Multipack (EAN code)*
- NE Unpacked or Unpackaged (loose/bulk)*
- PA Packet*
- PK Package*
- PL Pail (bucket)*
- PO Pouch*
- PU Tray*
- PUN Punnet*
- SO Spool*
- TB Tub*
- TEV Tamper Evident*
- TU Tube*

Use with 3055=60 as this is not a UN code.

Used for timber packs.

Hardware Industry EDI Message Implementation Guidelines

|             |  |   |                 |          |
|-------------|--|---|-----------------|----------|
|             | <i>UVQ</i>   | <i>Wrapped in plastic sheet</i>                                 |                 |          |
|             | <i>VI</i>  | <i>Vial</i>   |                 |          |
|             | <i>VP</i>  | <i>Vacuum packed</i>  |                 |          |
|             | <i>XI</i>  | <i>Pallet (EAN code)</i>  |                 |          |
| <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>R</b> |
|             | Required to indicate whether a UN or industry code has been used in data element 7065. |   |                 |          |
|             | <i>6</i>   | <i>UN/ECE (United Nations - Economic Commission for Europe)</i> |                 |          |
|             | <i>60</i>  | <i>Assigned by national trade agency</i>                        |                 |          |
| <b>7064</b> | <b>Type of packages</b>  |   | <b>C an..35</b> | <b>O</b> |
|             | Package material type  |   |                 |          |
|             | <i>AL</i>  | <i>Aluminium</i>  |                 |          |
|             | <i>CE</i>  | <i>Ceramic</i>  |                 |          |
|             | <i>CFB</i>   | <i>Corrugated Fibreboard</i>                                    |                 |          |
|             | <i>CL</i>  | <i>Cloth</i>  |                 |          |
|             | <i>COM</i>   | <i>Composite</i>  |                 |          |
|             | <i>FL</i>  | <i>Flexible</i>   |                 |          |
|             | <i>GL</i>  | <i>Glass</i>  |                 |          |
|             | <i>HE</i>  | <i>Hessian</i>  |                 |          |
|             | <i>PA</i>  | <i>Paper</i>  |                 |          |
|             | <i>PB</i>  | <i>Paperboard</i>   |                 |          |
|             | <i>PM</i>  | <i>Plastic Mould</i>  |                 |          |
|             | <i>PP</i>  | <i>Pulp paperboard</i>  |                 |          |
|             | <i>PS</i>  | <i>Plastic sheet</i>  |                 |          |
|             | <i>RBP</i>   | <i>Rigid barrier plastic</i>                                    |                 |          |
|             | <i>RM</i>  | <i>Rigid metal</i>  |                 |          |
|             | <i>RP</i>  | <i>Rigid plastic</i>  |                 |          |
|             | <i>ST</i>  | <i>Steel</i>  |                 |          |
|             | <i>WP</i>  | <i>Wood</i>   |                 |          |
| <b>C402</b> | <b>PACKAGE TYPE IDENTIFICATION</b>   |   | <b>C</b>        | <b>X</b> |
| <b>7077</b> | <b>Item description type, coded</b>  |   | <b>M an..3</b>  | <b>X</b> |
| <b>7064</b> | <b>Type of packages</b>  |   | <b>M an..35</b> | <b>X</b> |
| <b>7143</b> | <b>Item number type, coded</b>   |   | <b>C an..3</b>  | <b>X</b> |
| <b>7064</b> | <b>Type of packages</b>  |   | <b>C an..35</b> | <b>X</b> |
| <b>7143</b> | <b>Item number type, coded</b>   |   | <b>C an..3</b>  | <b>X</b> |
| <b>C532</b> | <b>RETURNABLE PACKAGE DETAILS</b>  |   | <b>C</b>        | <b>X</b> |
| <b>8395</b> | <b>Returnable package freight payment responsibility, coded</b>                        |   | <b>C an..3</b>  | <b>X</b> |
| <b>8393</b> | <b>Returnable package load contents, coded</b>   |   | <b>C an..3</b>  | <b>X</b> |

**Group:** **HYN** Segment Group 48: Hierarchical Information  
**Position:** 1785  
**Group:** Segment Group 33 (Line Item) Conditional (Required)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 999  
**Purpose:**

**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 | 1786        | HYN         | Hierarchical Information | M           | 1           |               |
| R | 1788        | QTY         | Quantity                 | C           | 1           |               |
| O | 1789        | RNG         | Range Details            | C           | 1           |               |
| D | 1790        | MEA         | Measurements             | C           | 5           |               |

**Segment:** **HYN** Hierarchical Information  
**Position:** 1786 (Trigger Segment)  
**Group:** SG16-SG33-SG48  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:**  
**Notes:**

This segment is used to provide the GTIN of the next lower level product.

Note the sequence of GTINs created via the LIN segment is important when a next lower level GTIN (via HYN) is to be linked. This next lower level GTIN must already exist in an earlier LIN segment or must already exist in EANnet.

Example:

HYN+P+C+1+9312345000012:EN'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 7173                |                          | <b>HIERARCHY OBJECT CODE QUALIFIER</b><br><i>P</i> <i>Product Hierarchy</i>  | M an..3                | M                      |
| 7171                |                          | <b>HIERARCHICAL STRUCTURE RELATIONSHIP CODE</b><br><i>C</i> <i>Child</i>   | C an..3                | R                      |
| 1229                |                          | <b>ACTION REQUEST/NOTIFICATION, CODED</b><br><i>1</i> <i>Added</i><br><i>2</i> <i>Deleted</i>  | C an..3                | R                      |
| C212                |                          | <b>ITEM NUMBER IDENTIFICATION</b>  | C                      | O                      |
|                     |                          | Usually a GTIN would be referenced here. However this data element has been made Optional to accommodate the timber industry where timber pieces in the pack may have no identifier, but this loop needs to be used for MEA and QTY information about the piece in the pack. |                        |                        |
|                     | 7140                     | <b>Item number</b>   | C an..35               | R                      |
|                     |                          | GTIN or other internal product id of next lower level  |                        |                        |
|                     | 7143                     | <b>Item number type, coded</b><br><i>EN</i> <i>International Article Numbering Association (EAN)</i><br><i>MF</i> <i>Manufacturer's (producer's) article number</i><br><i>UP</i> <i>UPC (Universal product code)</i>   | C an..3                | R                      |
|                     |                          | Use with internal product id (non EAN)   |                        |                        |
|                     | 1131                     | <b>Code list qualifier</b>   | C an..3                | X                      |
|                     | 3055                     | <b>Code list responsible agency, coded</b>   | C an..3                | X                      |
| 7166                |                          | <b>HIERARCHICAL PARENT ID.</b>   | C an..12               | X                      |

**Segment:** **QTY** Quantity  
**Position:** 1788  
**Group:** SG16-SG33-SG48  
**Level:** 4  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** To specify a pertinent quantity.  
**Notes:**

This QTY segment is Required within the HYN loop. Specifies the quantity of items identified in the preceding HYN segment.

Example:  
 QTY+17E:6:EA'

**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                      |
|                     |                          | 52 <i>Quantity per pack</i>   |                        |                        |
|                     |                          | 17E <i>Number of units in lower packaging or configuration level (next lower level). (EAN code)</i> |                        |                        |
|                     | 6060                     | Quantity  | M n..15                | M                      |
|                     | 6411                     | Measure unit qualifier  | C an..3                | R                      |
|                     |                          | EA <i>Each</i>  |                        |                        |

**Segment:** **RNG** Range Details  
**Position:** 1789  
**Group:** SG16-SG33-SG48  
**Level:** 4  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** To identify a range.  
**Notes:**

Note: this segment has been inserted into the EANCOM message for the purposes of this MIG to accommodate timber industry requirements.

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 6167                |                          | <b>RANGE TYPE QUALIFIER</b>  | <b>M an..3</b>         | <b>M</b>               |
|                     |                          | Number of messages within the interchange (may be one or multiple).            |                        |                        |
|                     | <i>4</i>                 | <i>Quantity range</i>  |                        |                        |
| C280                |                          | <b>RANGE</b>   | <b>C</b>               | <b>R</b>               |
|                     |                          | Identical to data element 0020 in UNB segment.                                 |                        |                        |
|                     | 6411                     | <b>Measure unit qualifier</b>  | <b>M an..3</b>         | <b>M</b>               |
|                     |                          | <i>EA Each</i>   |                        |                        |
|                     | 6162                     | <b>Range minimum</b>   | <b>C n..18</b>         | <b>D</b>               |
|                     |                          | One or both of range min or range max must be used if the RNG segment is used. |                        |                        |
|                     | 6152                     | <b>Range maximum</b>   | <b>C n..18</b>         | <b>D</b>               |

**Segment:** **MEA** Measurements  
**Position:** 1790  
**Group:** SG16-SG33-SG48  
**Level:** 4  
**Usage:** Conditional (Dependent)  
**Max Use:** 5  
**Purpose:** To specify physical measurements, including dimension tolerances, weights and counts.  
**Notes:** Note: this segment has been inserted into the EANCOM message for the purposes of this MIG to accommodate timber industry requirements for piece length measurements within the pack. It is not currently part of the EANCOM standard and would have to be requested for addition should the industry need to make it part of the global standard.

Dependency note: Required for piece dimension(s) if no piece GTIN (predefining the dimensions) is provided in the HYN segment.

**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                |                          | MEASUREMENT DETAILS   | C                      | R                      |
|                     | 6313                     | Measurement dimension, coded                                      | C an..3                | R                      |
|                     |                          | <i>LN Length dimension</i>  |                        |                        |
|                     |                          | <i>TH Thickness</i>   |                        |                        |
|                     |                          | <i>(4).(3)</i>  |                        |                        |
|                     |                          | <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>CMT Centimetre</i>   |                        |                        |
|                     |                          | <i>MMT Millimetre</i>   |                        |                        |
|                     |                          | <i>MTR Metre</i>  |                        |                        |
|                     | 6314                     | Measurement value   | C n..18                | R                      |
|                     | 6162                     | Range minimum   | C n..18                | O                      |
|                     |                          | Range minimum and maximum opened as optional for timber industry. |                        |                        |
|                     | 6152                     | Range maximum   | C n..18                | O                      |
|                     | 6432                     | Significant digits  | C n..2                 | X                      |
| 7383                |                          | SURFACE/LAYER INDICATOR, CODED                                    | C an..3                | X                      |

**Segment:** **UNT** Message Trailer  
**Position:** 1791  
**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:** Example: UNT+56+ME000001'

**Data Element Summary**

| <u>Data Element</u> | <u>Component Element</u> | <u>Name</u>  | <u>Base Attributes</u> | <u>User Attributes</u> |
|---------------------|--------------------------|--|------------------------|------------------------|
| 0074                |                          | NUMBER OF SEGMENTS IN A MESSAGE  | M n..6                 | M                      |
|                     |                          | The total number of segments, including the UNH and UNT in the message.                          |                        |                        |
| 0062                |                          | MESSAGE REFERENCE NUMBER   | M an..14               | M                      |
|                     |                          | The message reference number here must match the one specified in the corresponding UNH segment. |                        |                        |