## EDI-Recommendations of GS1 Germany Version 9.2 <br> Food/(Non)Food

Despatch Advice<br>(DESADV)

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## Introduction

## Introduction

The aim of the brochure on hand is to offer documentation describing the exchange of delivery data between business partners.

The basis of this elaboration is the international standard EANCOM® 2002. The message type DESADV 008 is used to transmit relevant data. GEFEG.FX (Gefeg mbH, Berlin) was used as the documentation tool.

Please be aware to know that this booklet does not replace the complete specifications in the original chapters or other relevant instructions within the EANCOM® 2002 documentation. Instead, it deals with the description of segments, data elements and codes to be used for a specific task.

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Important note:
To fulfill the requirements of directive $2003 / 58 / E G$, article 4, C058 has been opened in NAD segments identifying a message sender. If the place in the 5 DE 3124 is not sufficient, the following RFF segments can be used, qualified with DE $1153=G N$. DE 1154 has got a capacity of 70 digits. Only in those cases, when no RFF segment follows NAD, a RFF+GN can be used in the heading section of the message. Within the EDI recommendations of GS! Germany this is only applicable for the messages REMADV and SLSFCT.

This brochure offers different ways to start:
"Introduction" contains a short description of the respective message.
"Business Terms", is a table which links directly to the sequence numbers of the segments.
"Diagram", is a hierarchical graphic depiction of all used segments in the same sequence as they are defined in the EANCOM® message. However, every segment is shown only once, and it is therefore possible that the sequence numbering is interrupted.
"Structure", is a list of all used segments in the same sequence as they are defined in the EANCOM® message. In general, for each piece of information one single segment is provided. Exeptions may arrise when the the occurence of a segment is limited and can contain alternative information (e.g., segment BGM).
"Segmentlayout", an illustration that has been chosen to match the business terms (data from the inhouse application) with the elements from the EANCOM $®$ syntax.
"Codes" contains a list of the codes used in the message.
"Examples", provides at least one message example with comments. Please note that, for technical reasons, the examples can contain component data element separators, which would otherwise be represented as data element separators in the original messages.
"Print" opens the PDF documentation for the corresponding message.
The following conventions apply to this brochure:

## Introduction

Message structure
Heading section
Specification of buyer an supplier, message date and number.
Detail section
Specification of GTIN to identify goods and services, and quantity.
Summary section
Specification of totals of the message.

Business Terms

| Business Term | EANCOM-Segment |  | Data Element |  |
| :--- | :---: | :--- | :--- | :--- |
|  | Seg.-No. Segment SG | DEG |  |  |
| DE |  |  |  |  |

Business Terms

| Business Term | EANCOM-Segment |  | Data Element |  |
| :--- | ---: | :--- | :--- | :--- |
|  | Seg.-No. Segment SG | DEG |  |  |

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Business Terms

| Business Term | EANCOM-Segment |  | Data Element |  |
| :--- | ---: | :--- | :--- | :--- |
| Seg.-No. Segment SG | DEG |  |  |  |

Business Terms

| Business Term | EANCOM-Segment <br> Seg.-No. Segment SG |  | Data Element |  |
| :---: | :---: | :---: | :---: | :---: |
| Place of receiver - name of a city (town, village) for adressing purposes. | 32 NAD | SG2\#4 |  | 3164 |
| Place of ultimate consignee name of a city (town, village) for adressing purposes. | 38 NAD | SG2\#5 |  | 3164 |
| Place of ultimate customer name of a city (town, village) for adressing purposes. | 49 NAD | SG2\#9 |  | 3164 |
| Postcode of receiver | 32 NAD | SG2\#4 |  | 3251 |
| Postcode of ultimate consignee | 38 NAD | SG2\#5 |  | 3251 |
| Postcode of ultimate customer | 49 NAD | SG2\#9 |  | 3251 |
| Purchasing contact department | 25 CTA | SG2\#1\SG4\#1 | C056 | 3413 |
| Quantity content display(s) | 134 QTY | SG10\#3\SG17\# $2$ | C186 | 6060 |
| Quantity difference | 125 QVR | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \backslash S G 25 \# 1 \end{aligned}$ | C279 | 6064 |
| Reference to connected DESADV | 14 RFF | SG1\#7 | C506 | 1154 |
| Release character | 1 UNA |  |  | UNA4 |
| Reserved for future use | 1 UNA |  |  | UNA5 |
| Routing address | 2 UNB |  | S003 | 0014 |
| Seal number connected to the equipment | 54 SEL | SG8\#1 |  | 9308 |
| Segment terminator | UNA |  |  | UNA6 |
| Sequence of packages within the consignment | 55 CPS | SG10\#1 |  | 7164 |
| Sequence of the packages (despatch units / articles) | 73 CPS | SG10\#3 |  | 7164 |
| Sequence of the packages (despatch units) | 60 CPS | SG10\#2 |  | 7164 |
| Serial number | 95 PIA | $\begin{aligned} & \hline \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C212 | 7140 |
| Serial number (Display content) | 128 PIA | $\begin{aligned} & \hline \text { SG10\#3\SG17\# } \\ & 2 \end{aligned}$ | C212 | 7140 |
| Serial Shipping Container Code (SSCC at article) | 81 GIN | $\begin{aligned} & \text { SG10\#3\SG11\# } \\ & 1 \backslash \text { SG13\#1\SG1 } \\ & 5 \# 1 \end{aligned}$ | C208 | 7402 |
| Serial Shipping Container Code (SSCC) (SSCC) | 67 GIN | $\begin{aligned} & \text { SG10\#2\SG11\# } \\ & \text { 1\SG13\#1\SG1 } \\ & 5 \# 1 \end{aligned}$ | C208 | 7402 |
| Serialised GTIN (package) | 123 GIN | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \backslash S G 22 \# 1 \backslash S G 2 \\ & 3 \# 3 \end{aligned}$ | C208 | 7402 |
| Size of fruit/vegetables or textiles | 99 IMD | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \\ & \hline \end{aligned}$ | C273 | 7008 |
| Size, identifier | 99 IMD | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C273 | 7009 |
| Statements on business letters | 41 RFF | SG2\#6\SG3\#1 | C506 | 1154 |
| Street and number of receiver | 32 NAD | SG2\#4 | C059 | 3042 |

Business Terms

| Business Term | EANCOM-Segment <br> Seg.-No. Segment SG |  | Data Element |  |
| :---: | :---: | :---: | :---: | :---: |
| Street of ultimate consignee | 38 NAD | SG2\#5 | C059 | 3042 |
| Street of ultimate customer | 49 NAD | SG2\#9 | C059 | 3042 |
| Sub line to describe assortment/display. Listing of included units. | 126 LIN | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 2 \end{aligned}$ |  | 1082 |
| Substitute article | 90 PIA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C212 | 7140 |
| Supplier identification | 40 NAD | SG2\#6 | C082 | 3039 |
| Suppliers acticle number | 89 PIA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C212 | 7140 |
| Suppliers acticle number (Display content) | 127 PIA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 2 \\ & \hline \end{aligned}$ | C212 | 7140 |
| Suppliers additional identification | 42 RFF | SG2\#6\SG3\#2 | C506 | 1154 |
| Suppliers article number (Display content) | 128 PIA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 2 \end{aligned}$ | C212 | 7140 |
| Suppliers article number (secondary indent.) | 91 PIA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C212 | 7140 |
| Suppliers order number | 11 RFF | SG1\#3 | C506 | 1154 |
| Syntax version | 2 UNB |  | S001 | 0002 |
| Test indicator | 2 UNB |  |  | 0035 |
| Total number of segments in the message | 136 UNT |  |  | 0074 |
| Total volume of the consignment | 58 MEA | $\begin{aligned} & \text { SG10\#1\SG11\# } \\ & 1 \end{aligned}$ | C502 | 6313 |
| Total weight of the line item | 106 MEA | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C502 | 6313 |
| Tracking URL | 110 FTX | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C108 | 4440 |
| Transport document number | 12 RFF | SG1\#5 | C506 | 1154 |
| Transport Medium Unit (Pallet, Container, ....) | 102 IMD | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \end{aligned}$ | C273 | 7009 |
| Ultimate consignee additional identification | 39 RFF | SG2\#5\SG3\#1 | C506 | 1154 |
| Ultimate consignee identification | 38 NAD | SG2\#5 | C082 | 3039 |
| Ultimate customers order line number | 111 RFF | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \backslash \text { SG18\#2 } \end{aligned}$ | C506 | 1156 |
| Ultimate customers order number | 111 RFF | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \backslash \text { SG18\#2 } \end{aligned}$ | C506 | 1154 |
| Unit load device | 51 EQD | SG8\#1 |  | 8053 |
| Unit load device identification number | 17 RFF | SG1\#11 | C506 | 1154 |
| Unit packet level unique identifier (upID) | 21 RFF | SG1\#21 | C506 | 1154 |
| Unit packet level unique identifier (upID) | 21 RFF | SG1\#21 | C506 | 1156 |
| Unit packet level unique identifier (upUI) | 117 RFF | $\begin{aligned} & \text { SG10\#3\SG17\# } \\ & 1 \backslash \text { SG18\#13 } \end{aligned}$ | C506 | 1154 |

## Business Terms

\left.| Business Term | EANCOM-Segment |  | Data Element |  |
| :--- | ---: | :--- | :--- | :---: |
|  | Seg.-No. Segment SG |  |  |  |$\right)$

## Branching Diagram



Tag $=$ Segment/Group Tag
St MaxOcc St = Status (M=Mandatory, C=Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag = Segment/Group Tag St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; $N o=$ Consecutive segment number

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## Branching Diagram



## Branching Diagram

4


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## Branching Diagram

 Tag $=$ Segment/Group Tag St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=A d v i s e d, ~ D=D e p e n d e n t)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag $=$ Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=A d v i s e d, D=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



## Branching Diagram

| 9 | SG13 |  |
| :---: | :---: | :---: |
| O |  |  |
| 1000 |  |  |
| $\mathbf{P C I}$ |  |  |
| $M$ | 1 |  |
| 72 |  |  |

Tag $=$ Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=A d v i s e d, D=$ Dependent) MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram

 Tag = Segment/Group Tag St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag $=$ Segment/Group Tag
St MaxOcc St = Status (M=Mandatory, C=Conditional, $R=$ Required, $O=$ Optional, $A=$ Advised, $D=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

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 Tag $=$ Segment/Group Tag
St MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

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 Tag $=$ Segment/Group Tag
St MaxOcc St = Status (M=Mandatory, $C=$ Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $A=$ Advised, $\mathrm{D}=$ Dependent) MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram

 Tag $=$ Segment/Group Tag
St $\operatorname{MaxOcc}$ St = Status (M=Mandatory, C=Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

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 Tag = Segment/Group Tag
St MaxOcc = Maximum occurrence of the segment/group; $\mathrm{No}=$ Consecutive segment number

## Branching Diagram



St MaxOcc St = Status (M=Mandatory, $C=$ Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=\mathrm{Optional}, \mathrm{A}=$ Advised, $\mathrm{D}=\mathrm{Dependent)}$
Tag $=$ Segment/Group Tag MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram

| SG25 |  |
| :---: | :---: |
|  |  |
| D | 10 |
| QVR |  |
| M | 1 |
|  | 25 |

Tag $=$ Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=A d v i s e d, D=D e p e n d e n t)$
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram

 Tag $=$ Segment/Group Tag
$\begin{array}{l|l|l}\text { St } & \text { MaxOcc } & \text { St }=\text { Status ( } M=\text { Mandatory, } C=C o n d i t i o n a l, ~ \\ \hline\end{array}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag $=$ Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=A d v i s e d, D=D e p e n d e n t)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag $=$ Segment/Group Tag
St $\begin{gathered}\text { MaxOcc } \\ \text { St }=\text { Status ( } M=\text { Mandatory, } C=\text { Conditional, } R=\text { Required, } O=\text { Optional, } A=A d v i s e d, ~ D=D e p e n d e n t) ~\end{gathered}$
No MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number


Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent

Message Structure

| Seg. | No. | Status | Max Occ | Segment |
| :--- | :--- | :--- | :--- | :--- |
| SFF | 29 | M | 1 | Pick up place additional identification <br> RF4 |
|  | 30 | O | 10 | CTA-COM <br> CTA |
|  |  | M | 1 | Contact person or department <br> receiver of goods/services |
| COM | 31 | O | 5 | Communication number receiver of <br> SG2 |
|  |  | R | 1 | goods/services |
| NAD |  |  |  |  |
| NAD | 32 | M | 1 | Delivery party identification |

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent

## Message Structure

| Seg. | No. | Status | Max Occ | Segment |
| :---: | :---: | :---: | :---: | :---: |
| EQD | 51 | M | 1 | Unit load device |
| MEA | 52 | 0 | 1 | Weight of equipment |
| MEA | 53 | 0 | 1 | Volume of equipment |
| -SEL | 54 | 0 | 25 | Seal number connected to the equipment |
| Detail section consignment |  |  |  |  |
| -SG10 |  | R | 9999 | CPS-FTX-SG11-SG17 |
| CPS | 55 | M | 1 | Sequence of packages within the consignment |
| SG11 |  | 0 | 1 | PAC-MEA-QTY-SG12-SG13 |
| PAC | 56 | M | 1 | Number of packages |
| MEA | 57 | 0 | 1 | Gross weight of the consignment |
| MEA | 58 | 0 | 1 | Total volume of the consignment |
| -MEA | 59 | 0 | 1 | Number of transport pallet footprints |

Detail section despatch units

| SG10 |  | O | 9999 | CPS-FTX-SG11-SG17 |
| :---: | :---: | :---: | :---: | :---: |
| CPS | 60 | M | 1 | Hierarchy level |
| SG11 |  | O | 1 | PAC-MEA-QTY-SG12-SG13 |
| PAC | 61 | M | 1 | Number of packages |
| MEA | 62 | 0 | 1 | Sandwich pallet |
| MEA | 63 | 0 | 1 | Gross weight of a package |
| MEA | 64 | 0 | 1 | Volume of package |
| MEA | 65 | 0 | 1 | Height of package |
| -SG13 |  | 0 | 1000 | PCI-RFF-DTM-SG15 |
| PCI | 66 | M | 1 | Marking with SSCC |
| -SG15 |  | O | 99 | GIN |
| -_GIN | 67 | M | 1 | Serial Shipping Container Code (SSCC) |
| -SG13 |  | 0 | 1000 | PCI-RFF-DTM-SG15 |
| PCI | 68 | M | 1 | Marking with GRAI |
| _SG15 |  | 0 | 99 | GIN |
| —_GIN | 69 | M | 1 | GRAI of despatch unit/s |
| __SG13 |  | 0 | 1000 | PCI-RFF-DTM-SG15 |
| PCI | 70 | M | 1 | Marking with GIAI (despatch unit/s) |
| SG15 |  | 0 | 99 | GIN |
| —_GIN | 71 | M | 1 | GIAI of despatch unit/s |
| __SG13 |  | 0 | 1000 | PCI-RFF-DTM-SG15 |
| -PCI | 72 | M | 1 | Marking with number of a package |

Detail section despatch units / articles

| SG10 |  | O | 9999 |
| :---: | :---: | :---: | :---: |
| CPS | 73 | M | 1 |
| SG11 |  | O | 1 |
| PAC | 74 | M | 1 |
| MEA | 75 | O | 1 |
| MEA | 76 | 0 | 1 |
| MEA | 77 | 0 | 1 |
| MEA | 78 | 0 | 1 |
| MEA | 79 | 0 | 1 |
| SG13 |  | O | 1000 |
| PCI | 80 | M | 1 |

CPS-FTX-SG11-SG17
Hierarchy level
PAC-MEA-QTY-SG12-SG13
Number of packages
Sandwich pallet
Gross weight of a package
Volume of a package
Height of a package
Gross weight of the consignment
PCI-RFF-DTM-SG15
Marking with SSCC

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent

Message Structure

| Seg. | No. | Status | Max Occ | Segment |
| :---: | :---: | :---: | :---: | :---: |
| \|| __SG15 |  | O | 99 | GIN |
| __GIN | 81 | M | 1 | Serial Shipping Container Code (SSCC) |
| -SG13 |  | O | 1000 | PCI-RFF-DTM-SG15 |
| PCI | 82 | M | 1 | Marking with GRAI |
| _SG15 |  | O | 99 | GIN |
| -GIN | 83 | M | 1 | GRAI of despatch unit/s /articles |
| _SG13 |  | O | 1000 | PCI-RFF-DTM-SG15 |
| PCI | 84 | M | 1 | Marking with GIAI (despatch unit/s / articles) |
| _SG15 |  | 0 | 99 | GIN |
| - GIN | 85 | M | 1 | GIAI of despatch unit/s /articles |
| -SG13 |  | O | 1000 | PCI-RFF-DTM-SG15 |
| _PCI | 86 | M | 1 | Marking with number of a package |
| __SG13 |  | 0 | 1000 | PCI-RFF-DTM-SG15 |
| -PPCI | 87 | M | 1 | Label information |
| -SG17 |  | 0 | 9999 | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22SG25 |
| LIN | 88 | M | 1 | GTIN Article identification |
| PIA | 89 | D | 1 | Product identification without GTIN |
| PIA | 90 | D | 1 | Substitute article |
| PIA | 91 | 0 | 1 | Suppliers article number (secondary indent.) |
| PIA | 92 | 0 | 1 | Buyers article number |
| PIA | 93 | 0 | 1 | Articles promotional variant |
| PIA | 94 | 0 | 1 | Batch number |
| PIA | 95 | 0 | 1 | Serial number |
| PIA | 96 | 0 | 10 | Additional possibilities for product identification |
| PIA | 97 | 0 | 1 | Additional possibilities for product identification GPC (Brick) |
| PIA | 98 | 0 | 1 | Additional possibilities for product identification GPC (Attributtype, Attribute value) |
| IMD | 99 | 0 | 1 | Size (fresh food/textile) |
| IMD | 100 | 0 | 1 | Article long description |
| IMD | 101 | 0 | 1 | Display |
| IMD | 102 | 0 | 1 | Transport Medium Unit |
| MEA | 103 | 0 | 1 | Net weight of a single unit |
| MEA | 104 | 0 | 1 | Gross weight of a single unit |
| MEA | 105 | 0 | 1 | Volume of a single unit |
| MEA | 106 | D | 1 | Weight of the line item |
| QTY | 107 | 0 | 1 | Delivered quantity |
| QTY | 108 | 0 | 1 | Free goods quantity |
| QTY | 109 | 0 | 1 | Ordered quantity |
| FTX | 110 | 0 | 1 | Tracking URL |
| SG18 |  | 0 | 1 | RFF-DTM |
| -RFF | 111 | M | 1 | Ultimate customers order number |
| -SG18 |  | O | 1 | RFF-DTM |
| -_RFF | 112 | M | 1 | Buyers order number |

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, $\mathrm{A}=$ Advised, $\mathrm{D}=$ Dependent

## Message Structure

| Seg. | No. | Status | Max Occ | Segment |
| :---: | :---: | :---: | :---: | :---: |
| __SG18 |  | O | 1 | RFF-DTM |
| __RFF | 113 | M | 1 | Company registration number (German ElektroG) |
| -SG18 |  | O | 1 | RFF-DTM |
| —_RFF | 114 | M | 1 | Order indicator (Line item reference) |
| __SG18 |  | D | 1 | RFF-DTM |
| —RFF | 115 | M | 1 | BIO-ECO Labelling |
| _SG18 |  | O | 99 | RFF-DTM |
| —_RFF | 116 | M | 1 | Aggregated level unique identifier (aUI) |
| __SG18 |  | O | 99 | RFF-DTM |
| —_RFF | 117 | M | 1 | Unit packet level unique identifier (upUI) |
| __SG22 |  | O | 1 | PCI-DTM-MEA-QTY-SG23-SG24 |
| PCI | 118 | M | 1 | Marking on package |
| DTM | 119 | O | 1 | Best before date |
| DTM | 120 | O | 1 | Expiry date |
| -SG23 |  | O | 10 | GIN-DLM |
| - GIN | 121 | M | 1 | Batch number |
| __SG23 |  | O | 10 | GIN-DLM |
| -_GIN | 122 | M | 1 | GTIN |
| _SG23 |  | O | 10 | GIN-DLM |
| -GIN | 123 | M | 1 | GTIN |
| _SG22 |  | O | 1 | PCI-DTM-MEA-QTY-SG23-SG24 |
| $\square \mathrm{PCI}$ | 124 | M | 1 | Label information (Article) |
| __SG25 |  | D | 10 | QVR-DTM |
| -_QVR | 125 | M | 1 | Quantity difference |
| 2.Detail section - units included in assortment |  |  |  |  |
| _SG17 |  | D | 9999 | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22SG25 |
| LIN | 126 | M | 1 | GTIN Article identifikation |
| PIA | 127 | D | 1 | Product identification without GTIN |
| PIA | 128 | D | 1 | Additional possibilities for product identification |
| PIA | 129 | 0 | 1 | Additional possibilities for product identification |
| PIA | 130 | 0 | 1 | Additional possibilities for product identification GPC (Brick) |
| PIA | 131 | 0 | 1 | Additional possibilities for product identification GPC (Attributtype, Attribute value) |
| IMD | 132 | R | 1 | Consumer unit |
| IMD | 133 | R | 1 | Article long description |
| QTY | 134 | R | 1 | Quantity content display(s) |
| Summary section |  |  |  |  |
| CNT | 135 | O | 5 | Control value |
| UNT | 136 | M | 1 | End of message |
| UNZ | 137 | M | 1 | End of the transmission file |

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent

## Segment Layout

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| UNA R $1 \quad$ Service string adviceTo define the characters selected for use as delimiters and indicators in the rest of theinterchange that follows. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Component data element separator | UNA1 | Component data element separator | an1 | M | Default value: ":" |
| Data element separator | UNA2 | Data element separator | an1 | M | Default value: "+" |
| Decimal notation | UNA3 | Decimal notation | an1 | M | Default value: "." |
| Release character | UNA4 | Release indicator | an1 | M | Default value: "?" |
| Reserved for future use | UNA5 | Reserved for future use | an1 | M | (Default value: space ) |
| Segment terminator | UNA6 | Segment terminator | an1 | M | Default value: " ' " |

Segmentstatus: Mandatory
The use of the UNA segment is mandatory, if character set "A" (UNB,DE0001) is not used.
For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Example:UNA:+.? '
The UNA segment contains the default service string characters.

## Segment Layout

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| UNB <br> M 1 <br> Interchange header To start, identify and specify an interchange. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | S001 | Syntax identifier |  | M |  |  |
| Character set | 0001 | Syntax identifier | a4 | M | * | UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D UNOE UN/ECE level E UNOF UN/ECE level F |
| Syntax version | 0002 | Syntax version number | n1 | M | * | 3 Version 3 |
|  | S002 | Interchange sender |  | M |  |  |
| Indentification of the sender of the transmission file | 0004 | Sender identification | an. 35 | M |  | $\begin{aligned} & =\text { Global Location Number } \\ & \text { (GLN) } \end{aligned}$ |
|  | 0007 | Partner identification code qualifier | an.. 4 | R | * | 14 GS1 |
| Address for reverse routing | 0008 | Address for reverse routing | an. 14 | 0 |  | See note |
|  | S003 | Interchange recipient |  | M |  |  |
| Indentification of the receiver of the transmission file | 0010 | Recipient identification | an. 35 | M |  | $\begin{aligned} & \text { = Global Location Number } \\ & (\text { GLN ) } \end{aligned}$ |
|  | 0007 | Partner identification code qualifier | an.. 4 | R | * | 14 GS1 |
| Routing address | 0014 | Routing address | an.. 14 | 0 |  | See note |
|  | S004 | Date/time of preparation |  | M |  |  |
| File creation date | 0017 | Date of preparation | n6 | M |  | = Dateformat JJMMTT |
| File creation time | 0019 | Time of preparation | n4 | M |  | = Timeformat HHMM |
| Interchange control reference, beginnig | 0020 | Interchange control reference | an. 14 | M |  | = Unique senders reference |
|  | S005 | Recipient's reference, password |  | 0 |  |  |
| Password interchange | 0022 | Recipient's reference/ password | an.. 14 | M |  |  |
|  | 0025 | Recipient's reference/ password qualifier | an2 | 0 | * | AA Reference BB Password |
| Application reference | 0026 | Application reference | an.. 14 | 0 |  | Message type if the transmission fole contains only one message type |
|  | 0029 | Processing priority code | a1 | 0 | * | A Highest priority |
| Acknowledgement request | 0031 | Acknowledgement request | n1 | 0 |  |  |
| EANCOM | 0032 | Communications agreement ID | an. 35 | R |  | = EANCOM... EDIFACT subset identification (see note) |
| Test indicator | 0035 | Test indicator | n1 | 0 | * | 1 Interchange is a |

## Segment Layout

| Business Term | DE | EDIFACT | Format | St | * |
| :--- | :---: | :--- | :--- | :--- | :--- |
|  |  |  | Description |  |  |
|  |  |  |  |  | test |

Segmentstatus: Mandatory
This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange.

For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Note DE 0008:
The address for reverse routing is provided by the interchange sender to inform the interchange recipient of the address within the sender's (source) system to which responding interchanges must be sent. It is recommended that the GLN be used for this purpose.

Note DE 0014:
The routing adress is used to identify the receiver, if a provider adds service values for the actual receiver (e.g. consolidated companies, corporate group). The use of the identification system (e.g. GLN) has to be agreed bilaterally.

Note DE 0020:
This data element must contain a consistent sequential number per interchange between sender and receiver of the transmission.

Note DE 0032: This data element is used to identify any underlying agreements which control the exchange of data. Within EANCOM, the identity of such agreements must start with the letters 'EANCOM', the remaining characters within the data element being filled according to bilateral agreements.

Example: UNB+UNOC :3+4012345000009:14:4012345000018+4000004000002:14:4000004000099+181013:10 43+4711+REF:AA++++EANCOM+1'
The EANCOM file 4711 dated $13.10 .2018,10 \mathrm{~h} 43$ is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

[^0]
## Segment Layout

## Heading section <br> Heading section

|  | No. Seg | St Max. Occ. |  |
| :--- | :--- | :--- | :--- |
| 3 | UNH <br> To head, identify and specify a message. |  |  |


| Business Term | DE | EDIFACT | Format | St | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Message reference number | 0062 | Message reference number | an.. 14 | M | Sender's unique message reference. Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender. |
|  | S009 | Message identifier |  | M |  |
|  | 0065 | Message type | an.. 6 | M | DESADV Despatch advice message |
|  | 0052 | Message version number | an.. 3 | M | D Draft version/ UN/EDIFACT Directory |
|  | 0054 | Message release number | an.. 3 | M | 01B Release 2001 - B |
|  | 0051 | Controlling agency | an.. 2 | M | UN UN/CEFACT |
|  | 0057 | Association assigned code | an.. 6 | R | EAN008 GS1 version control number (GS1 Permanent Code) |

## Segmentstatus: Mandatory

This segment is used to head, identify and specify a message.
Example:UNH+ME000001+DESADV:D:01B:UN:EAN008'
The reference number of the DESADV message is ME000001.

## Segment Layout

## Heading section

|  | No. Seg | St Max. Occ. |  |
| :--- | :--- | :--- | :--- |
| 4 | B GM |  |  |
| To indicate the type and function of a message and to transmit the identifying number. |  |  |  |


| Business Term | DE | EDIFACT | Format | St | * | Description |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- |

## Segmentstatus: Mandatory

This segment is used to indicate the type and function of a message and to transmit the identifying number.

Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

## Segment Layout

## Heading section

Example: BGM+351: :9:X+87441+9'
The document number is 87441 .

## Segment Layout

## Heading section



Segmentstatus: Mandatory
Identification of the 'Document/message date/time' (code value 137) is mandatory in the invoice message.

Example: DTM+137:20181020:102'
The message was created on the 20th of October 2018.

## Segment Layout

## Heading section



Segmentstatus: Optional
Date on which good have been/will be despached
Example: DTM+11:20181028:102'
The despatch date is the 28th of October 2018.

## Segment Layout

## Heading section



Segmentstatus: Mandatory
Date on which goods have been/will be delivered.
This delivery date relates to the first delivery place.
Example: DTM+17:20181028:102'
The estimated delivery date is the 28th of October 2018.

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8 DTM D 1 <br> To specify date, and/or time, or period.  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C507 | Date/time/period |  | M |  |
|  | 2005 | Date or time or period function code qualifier | an.. 3 | M | 2 Delivery date/ time, requested |
| Delivery date requested by the outlet | 2380 | Date or time or period value | an. 35 | R |  |
|  | 2379 | Date or time or period format code | an.. 3 | R | 102 CCYYMMDD <br> 203 CCYYMMDDHHMM |

Segmentstatus: Depending
In case of cross docking the delivery date requested by the outlet is indicated here.
Note:
In case of differences to the delivery date storage is not allowed, but only a time delay of distribution. Otherwise the central idea of cross docking is ignored.

Example:DTM+2:20181028:102'
The delivery date requested by the outlet is the 28th of October 2018.

```
Max. Occ. \(=\) Maximum Occurrence, St \(=\) Status, \(*=\) Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used
```


## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $9 \quad$DTM O $1 . \quad$ Date/time/period <br> To specify date, and/or time, or period. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C507 | Date/time/period |  | M |  |
|  | 2005 | Date or time or period function code qualifier | an. 3 | M | 200 Pick-up/collection date/time of cargo |
| Pick-up date | 2380 | Date or time or period value | an.. 35 | R |  |
|  | 2379 | Date or time or period format code | an. 3 | R | 102 CCYYMMDD <br> 203 CCYYMMDDHHMM |

Segmentstatus: Optional
This segment is used to specify, where required, requested dates concerning the delivery/pick up of the goods.

Example: DTM+200:20181028:102'
This example requires the pick up of consignment on the 28th of October 2018.

## Segment Layout

## Heading section



Segmentstatus: Depending
This segment can contain a reference to buyers order number. In case of CRP orders this number is not available.

Note: SG1 may be repeated max. 10 times.
Example: RFF+ON:4711'
The message references to buyers order number 4711.

## Segment Layout

## Heading section

| Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG1 | O 1 | RFF-DTM |  |  |  |
| 11 RFF <br> To specify a | M $1 \quad$ Reference |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C506 | Reference |  | M |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | VN Order number (supplier) |
| Suppliers order number | 1154 | Reference identifier | an. 70 | R |  |

Segmentstatus: Optional
This segment is used to provide the (internal) order number of the supplier.
In case of returns and movement between outlets this information is not available.
Note: SG1 may be repeated max. 10 times.
Example: RFF+VN:4712'
The message references to suppliers order number 4712.

## Segment Layout

## Heading section

| Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  SG1 O 1 <br> 12 RFF M 1 <br>  To specify a reference.  |  | RFF-DTM |  |  |  |
|  |  | Reference |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C506 | Reference |  | M |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | AAS Transport document number |
| Transport document number | 1154 | Reference identifier | an. 70 | R |  |

## Segmentstatus: Optional

This document can be used to give a reference to the transport document number of the carrier or his agent.

Note: SG1 may be repeated max. 10 times.
Example: RFF+AAS:4713'
The message references to transport document number 4713.

## Segment Layout

## Heading section



Segmentstatus: Optional
This segment can be used to reference the delivery note number.
This indication is valid for all articles of the entire despatch advice and can be overwritten in the detail-section.

Note: SG1 may be repeated max. 10 times.
Example: RFF+DQ:4714'
The message references to delivery note number 4714.

## Segment Layout

## Heading section



Segmentstatus: Optional
If an ORDERS is split into different consignments (e.g. comission in different stores), repetitions of this segment can be used to show which and how much DESADV messages belong together. DE 1154 provides the document number (BGM, DE 1004) of the related DESADV. The use of this procedure must be bilaterally agreed and tested.

Note: SG1 may be repeated max. 10 times.
Example: RFF+AAK:4714'
The message references to a related DESADV 4714.

## Segment Layout

## Heading section

| No. Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG1 | O 1 |  | RFF-DTM |  |  |  |
| RFF <br> To specify | M $1 \quad$ Reference |  |  |  |  |  |
| Business Term |  | DE | EDIFACT | Format | St * | Description |
|  |  | C506 | Reference |  | M |  |
|  |  | 1153 | Reference code qualifier | an.. 3 | M * | ALL Message batch number |
| Number of connected DESADV |  | 1154 | Reference identifier | an. 70 | R |  |

Segmentstatus: Optional
If an ORDERS is split into different consignments (e.g. comission in different stores), and the use of RFF+AAK is not possible, this segment can be used instead to indicate the number of related DESADV messages. The use of this procedure must be bilaterally agreed and tested.

Note: SG1 may be repeated max. 10 times.
Example: RFF+ALL:3'
Three DESADV are connected.

## Segment Layout

## Heading section



Segmentstatus: Optional
This segment can be used to indicate the delivery schedule number, which has been announced with the ORDER message. It helps to allocate the receipt of goods.

Note: SG1 may be repeated max. 10 times.
Example: RFF+AAN:4715'
The message references to delivery schedule number 4715.

## Segment Layout

## Heading section

| Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG1 <br> O 1 <br> 17 <br> RFF <br> M 1 <br> To specify a reference. |  | RFF-DTM <br> Reference |  |  |  |  |
|  |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C506 | Reference |  | M |  |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | * | AAQ Unit load device (e.g. container) identification number |
| Unit load device identification number | 1154 | Reference identifier | an.. 70 | R |  |  |

This segment can be used to give information about the unit load device identification number, e.g. Container-no.

Note: SG1 may be repeated max. 10 times.
Example: RFF+AAQ:5015'
The message references to unit load device identification number 5015.

## Segment Layout

## Heading section



Segmentstatus: Optional
This segment can be used to indicate the invoice number when already known.
Note: SG1 may be repeated max. 10 times.
Example: RFF+IV:4716'
The message references to invoice number 4716.

## Segment Layout

## Heading section



## Segment Layout

## Heading section



## Segment Layout

## 1.Detail section - invoiced unit

| o. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG1 <br> 21 RFF <br> To specify a | nce. | RFF-DTM <br> Reference |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C506 | Reference |  | M |  |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | * | TUU Aggregated Ievel unique identifier (upUI) see note |
| Unit packet level unique identifier (upID) | 1154 | Reference identifier | an. 70 | R |  |  |
| Unit packet level unique identifier (upID) | 1156 | Document line identifier | an.. 6 | 0 |  |  |

Segmentstatus: Optional
This segment is used to reference the unit packet level unique identifier (upID).
This segment will only be used, if different deliveries are accumulated on invoice line level.
This indication overwrites the information given in the heading-section.
Example: RFF+TUU:4714:1'
The message references to the unit packet level unique identifier (upID) 4714, line 1.

```
Max. Occ. \(=\) Maximum Occurrence, St \(=\) Status, \(*=\) Restricted Codes
Status: \(\mathrm{M}=\) Mandatory, \(\mathrm{R}=\) Required, \(\mathrm{O}=\) Optional, \(\mathrm{D}=\) Dependent, \(\mathrm{A}=\) Advised, \(\mathrm{N}=\) Not used
```


## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG2 |  | NAD-LOC-SG3-SG4 |  |  |  |
| 22 <br> NAD <br> To specify th unstructured | To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 3035 | Party function code qualifier | an.. 3 | M * | BY Buyer |
|  | C082 | Party identification details |  | R |  |
| Identification of buyer/ invoicee | 3039 | Party identifier | an. 35 | M | Global Location Number (GLN)- Format n13 |
|  | 1131 | Code list identification code | an. 17 | N |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R * | 9 GS1 |
| Segmentstatus: Mand <br> The buyer/invoicee is <br> Example: $\mathrm{NAD}+\mathrm{BY}+4071$ <br> The buyer/in | datory <br> s identified by <br> 1615111110::9 <br> invoicee is iden | GLN. <br> tified by GLN 407161 | $5111110 .$ |  |  |

## Segment Layout

## Heading section

| No. Seg | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG2 | R 1 | NAD-LOC-SG3-SG4 |  |  |  |
| SG3 | O 10 | RFF |  |  |  |
| $23 \quad \begin{aligned} & \text { RFF } \\ & \\ & \text { To spe }\end{aligned}$ | M 1  <br> reference. Reference |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | C506 | Reference |  | M |  |
|  | 1153 | Reference code qualifier | an.. 3 | M * | YC1 Additional party identification (GS1 Temporary Code) |
| Buyers additional identification | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |
| Example: RFF+YC1:0815' <br> The additional identification is 0815. |  |  |  |  |  |

## Segment Layout

## Heading section



## Segment Layout

## Heading section



## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG2 |  | NAD-LOC-SG3-SG4 |  |  |  |
| 26 <br> NAD <br> To specify th unstructured | To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 3035 | Party function code qualifier | an.. 3 | M * | IV Invoicee |
|  | C082 | Party identification details |  | R |  |
| Identification of invoicee | e 3039 | Party identifier | an. 35 | M | Global Location Number (GLN)- Format n13 |
|  | 1131 | Code list identification code | an. 17 | N |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R * | 9 GS1 |
| Segmentstatus: Optio <br> The invoicee is identified <br> Example: NAD+IV+4071 <br> Invoicee is i | onal <br> ified by GLN if <br> 1615111235: :9 <br> identified by G | not identical with buy <br> LN 4071615111235. |  |  |  |

## Segment Layout

## Heading section

| No. Seg | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG2 |  | NAD-LOC-SG3-SG4 |  |  |  |
| SG3 |  | RFF |  |  |  |
| 27 <br> RFF <br> To specif | $\begin{array}{ll}\text { M } 1 & \text { Reference } \\ \text { a reference. }\end{array}$ |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | C506 | Reference |  | M |  |
|  | 1153 | Reference code qualifier | an.. 3 | M * | YC1 Additional party identification (GS1 Temporary Code) |
| Invoicees additional identification | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |
| Example: RFF+YC1:0847' <br> The additional identification is 0847. |  |  |  |  |  |

## Segment Layout

## Heading section



## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 | $\bigcirc$ |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 10 |  | RFF |  |  |  |
| 29 | RFF <br> To spec | $\begin{array}{ll}\text { M } 1 & \text { Reference } \\ \text { a reference. }\end{array}$ |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M * | YC1 Additional party identification (GS1 Temporary Code) |
| $\begin{array}{\|l} \hline \begin{array}{l} \text { Pick } \\ \text { ider } \\ \hline \end{array} \\ \hline \end{array}$ | ace addition ion |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
| Example: $\mathrm{RFF+} \mathrm{YC1} 10808 \mathrm{C}$The additional identification is 0808. |  |  |  |  |  |  |  |

## Segment Layout

## Heading section



## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 |  |  | NAD-LOC-SG3-SG4 |  |  |  |  |
|  | SG4 | O 10 |  | CTA-COM |  |  |  |  |
| 31 | COM | O 5 Communication contact |  |  |  |  |  |  |
|  | To identify a communication number of a department or a person to whom communication should be directed. |  |  |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St |  | Description |
|  |  |  | C076 | Communication contact |  | M |  |  |
| Communication number receiver of goods/services |  |  | 3148 | Communication address identifier | an.. 51 | M |  |  |
|  |  |  | 3155 | Communication address code qualifier | an.. 3 | M |  | EM Electronic mail <br> FX Fax <br> TE Telephone <br> XF X. 400 |
| Segmentstatus: Optional |  |  |  |  |  |  |  |  |
| Example: COM+kölsch@früh.de:EM' <br> E-mail of Mr. Früh is kölsch@früh.de |  |  |  |  |  |  |  |  |

## Segment Layout

## Heading section

| No. Seg |  |  | St Max. Occ. |
| :---: | :---: | :---: | :--- |
| 32 | SG2 | R 1 | NAD-LOC-SG3-SG4 |
|  | NAD | M 1 | Name and address |

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3035 | Party function code qualifier | an.. 3 | M | * | DP Delivery party |
|  | C082 | Party identification details |  | A |  |  |
| Delivery party identification | 3039 | Party identifier | an. 35 | M |  | Global Location Number (GLN) <br> - Format n13 |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R | * | 9 GS1 |
|  | C058 | Name and address |  | 0 |  |  |
|  | 3124 | Name and address description | an. 35 | M |  |  |
|  | C080 | Party name |  | D |  |  |
| Name 1 of the receiver | 3036 | Party name | an. 35 | M |  |  |
| Name 2 of the receiver | 3036 | Party name | an. 35 | 0 |  |  |
| Name 3 of the receiver | 3036 | Party name | an. 35 | 0 |  |  |
|  | C059 | Street |  | D |  |  |
| Street and number of receiver | 3042 | Street and number or post office box identifier | an. 35 | M |  |  |
| Place of receiver - name of a city (town, village) for adressing purposes. | 3164 | City name | an.. 35 | D |  |  |
|  | C819 | Country sub-entity details |  | D |  |  |
|  | 3229 | Country sub-entity name code | an.. 9 | 0 |  | Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies |
| Postcode of receiver | 3251 | Postal identification code | an.. 17 | D |  |  |
| Country of receiver, coded | 3207 | Country name code | an.. 3 | D |  |  |

Segmentstatus: Mandatory
This NAD segment always identifies the first delivery place.
DE 3039: The delivery party is identified by GLN. Party name and adress in clear text may only be used, if a GLN is not (yet) available.

If the delivery party is not known (e.g. pick up by third party), the GLN of the buyer is indicated in DE 3039.

Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Segment Layout

## Heading section

Example:NAD+DP+4089876511118::9++Warenempfänger-Name 1:Warenempfänger-Name 2:Warenempfänge $r$-Name 3+Industriestr.13+Köln++50825+DE' The receipient is identified by GLN 4089876511118.

## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 | R |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 10 |  | RFF |  |  |  |
| 33 | RFF <br> To specify | $\begin{array}{ll}\text { M } 1 & \text { Reference } \\ \text { a reference. }\end{array}$ |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M * | YC1 Additional party identification (GS1 Temporary Code) |
|  | party add tion |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
| Example: RFF+YC1:0816' <br> The additional identification is 0816. |  |  |  |  |  |  |  |

## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 |  |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 1 |  | RFF |  |  |  |
| To specify a reference. |  |  |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M * | EID Economic operator identifier (EO-ID) see note |
| Economic operator identifier (EO-ID) |  |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| The RFF segment following the NAD segment can specify the economic operator identifier (EO-ID) number, e.g. in tobacco traceability. |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
| Code value EID: A corresponding work request was made within the framework of the GSMP. Later code adjustments can be made. |  |  |  |  |  |  |  |
| Example: RFF+EID:0815' <br> The Economic operator identifier (EO-ID) is |  |  |  |  |  |  |  |

## Segment Layout

## Heading section



Segmentstatus: Optional
The RFF segment following the NAD segment can specify the Facility identifier (F-ID) number, e.g. in tobacco traceability.

If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system.
Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location.

Note to DE 1153:
Code value FID: A corresponding work request was made within the framework of the GSMP. Later code adjustments can be made.

Example: RFF+FID:0815'
The Facility identifier (F-ID) is 0815.

## Segment Layout

## Heading section



## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 | R 1 |  | NAD-LOC-SG3-SG4 |  |  |  |  |
|  | SG4 | O 10 |  | CTA-COM |  |  |  |  |
| 37 | COM | O 5 Communication contact |  |  |  |  |  |  |
|  | To identify a communication number of a department or a person to whom communication should be directed. |  |  |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St |  | Description |
|  |  |  | C076 | Communication contact |  | M |  |  |
| Communication number receiver of goods/services |  |  | 3148 | Communication address identifier | an.. 51 | M |  |  |
|  |  |  | 3155 | Communication address code qualifier | an.. 3 | M |  | EM Electronic mail <br> FX Fax <br> TE Telephone <br> XF X. 400 |
| Segmentstatus: Optional |  |  |  |  |  |  |  |  |
| Example: COM+kölsch@früh.de:EM' <br> E-mail of Mr. Früh is kölsch@früh.de |  |  |  |  |  |  |  |  |

## Segment Layout

## Heading section

| No. Seg |  |  | St Max. Occ. |
| :---: | :---: | :---: | :--- |
| 38 | SG2 | O 1 | NAD-LOC-SG3-SG4 |
|  | NAD | M 1 | Name and address |

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

| Business Term | DE | EDIFACT | Format | St |  | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3035 | Party function code qualifier | an.. 3 | M | * | UC Ultimate consignee |
|  | C082 | Party identification details |  | A |  |  |
| Ultimate consignee identification | 3039 | Party identifier | an. 35 | M |  | Global Location Number (GLN) <br> - Format n13 |
|  | 1131 | Code list identification code | an. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R | * | 9 GS1 |
|  | C058 | Name and address |  | 0 |  |  |
|  | 3124 | Name and address description | an. 35 | M |  |  |
|  | C080 | Party name |  | D |  |  |
| Name 1 of the ultimate cosignee | 3036 | Party name | an. 35 | M |  |  |
| Name 2 of the ultimate consignee | 3036 | Party name | an. 35 | 0 |  |  |
| Name 3 of the ultimate consignee | 3036 | Party name | an. 35 | 0 |  |  |
|  | C059 | Street |  | D |  |  |
| Street of ultimate consignee | 3042 | Street and number or post office box identifier | an. 35 | M |  |  |
| Place of ultimate consignee name of a city (town, village) for adressing purposes. | 3164 | City name | an. 35 | D |  |  |
|  | C819 | Country sub-entity details |  | D |  |  |
|  | 3229 | Country sub-entity name code | an.. 9 | 0 |  |  |
| Postcode of ultimate consignee | 3251 | Postal identification code | an. 17 | D |  |  |
|  | 3207 | Country name code | an.. 3 | D |  | ISO 3166 two alpha code |

## Segmentstatus: Optional

This NAD segment identifies the secondary delivery place.
If the warehouse is the delivery party (DE $3035=\mathrm{DP}$ ) and the consignment is adressed to a specific outlet, that outlet is identified as ultimate consignee.

## Segment Layout

## Heading section

DE 3039: The ultimate consignee is identified by GLN. Party name and adress in clear text may only be used, if a GLN is not (yet) available.

Example: NAD+UC+4089876986411::9++Endempfänger-Name 1:Endempfänger-Name 2:Endempfänger-Name 3+Maarweg 104+Köln++50825+DE' The ultimate consignee is identified by GLN 4089876986411.

## Segment Layout

## Heading section



## Segment Layout

## Heading section

| No. Seg |  |  | St Max. Occ. |  |
| :---: | :---: | :---: | :--- | :---: |
| 40 | SG2 | R 1 | NAD-LOC-SG3-SG4 |  |
|  | NAD | M 1 | Name and address |  |

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

| Business Term | DE | EDIFACT | Format | St | $*$ | Description |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- |
|  | 3035 | Party function code <br> qualifier | an..3 | M | SU Supplier |  |
| Supplier identification | 3039 | Party identifier | anty identification |  | A |  |
| details |  |  |  |  |  |  |

Segmentstatus: Mandatory
The supplier is identified by GLN.
Example:NAD+SU+4389876511113::9+X:X:X:X:X'
The supplier is identified by GLN 4389876511113.

## Segment Layout

## Heading section



## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 | R 1 |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 10 |  | RFF |  |  |  |
| 42 | RFF <br> To speci | $\begin{array}{ll}\text { M } 1 & \text { Reference } \\ \text { a reference. }\end{array}$ |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M * | YC1 Additional party identification (GS1 Temporary Code) |
|  | additiona ion |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
| Example: RFF+YC1:0817' <br> The additional identification is 0817. |  |  |  |  |  |  |  |

## Segment Layout

## Heading section



## Segment Layout

## Heading section

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG2 |  |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 1 |  | RFF |  |  |  |
| To specify a reference. |  |  |  |  |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M * | EID Economic operator identifier (EO-ID) see note |
| Economic operator identifier (EO-ID) |  |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| The RFF segment following the NAD segment can specify the economic operator identifier (EO-ID) number, e.g. in tobacco traceability. |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
| Code value EID: A corresponding work request was made within the framework of the GSMP. Later code adjustments can be made. |  |  |  |  |  |  |  |
| Example: RFF+EID:0815' <br> The Economic operator identifier (EO-ID) is |  |  |  |  |  |  |  |

## Segment Layout

## Heading section



## Segment Layout

## Heading section



## Segment Layout

## Heading section



## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48 | SG2 | O 1 |  | NAD-LOC-SG3-SG4 |  |  |  |
|  | SG3 | O 10 |  | RFF |  |  |  |
|  | RFF M 1 <br> To specify a reference. |  |  | Reference |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St | Description |
|  |  |  | C506 | Reference |  | M |  |
|  |  |  | 1153 | Reference code qualifier | an.. 3 | M | YC1 Additional party identification (GS1 Temporary Code) |
| Logistic service provider additional identification |  |  | 1154 | Reference identifier | an.. 70 | R |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| The RFF segment following the NAD segment can specify an agreed additional identification. additional identification. |  |  |  |  |  |  |  |
| If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location. |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Segment Layout

## Heading section

| No. Seg |  |  | St Max. Occ. |  |
| :---: | :---: | :---: | :--- | :---: |
| 49 | SG2 | O 1 | NAD-LOC-SG3-SG4 |  |
|  | NAD | M 1 | Name and address |  |

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3035 | Party function code qualifier | an.. 3 | M | * | UD Ultimate customer |
|  | C082 | Party identification details |  | A |  |  |
| GLN of the ultimate customer | 3039 | Party identifier | an. 35 | M |  | Global Location Number (GLN) <br> - Format n13 |
|  | 1131 | Code list identification code | an. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R | * | 9 GS1 |
|  | C058 | Name and address |  | 0 |  |  |
|  | 3124 | Name and address description | an.. 35 | M |  |  |
|  | C080 | Party name |  | D |  |  |
| Name 1 of the ultimate customer | 3036 | Party name | an.. 35 | M |  |  |
| Name 2 of the ultimate customer | 3036 | Party name | an. 35 | 0 |  |  |
| Name 3 of the ultimate customer | 3036 | Party name | an.. 35 | 0 |  |  |
|  | C059 | Street |  | D |  |  |
| Street of ultimate customer | 3042 | Street and number or post office box identifier | an. 35 | M |  |  |
| Place of ultimate customer name of a city (town, village) for adressing purposes. | 3164 | City name | an. 35 | D |  |  |
|  | C819 | Country sub-entity details |  | D |  |  |
|  | 3229 | Country sub-entity name code | an.. 9 | 0 |  |  |
| Postcode of ultimate customer | 3251 | Postal identification code | an.. 17 | D |  |  |
|  | 3207 | Country name code | an.. 3 | D |  | ISO 3166 two alpha code |

Segmentstatus: Optional
This NAD segment is used to specify name and address of the ultimate consignee, e.g. receiver of a swimming pool.

Use of the GLN, the specification of the Global Location Number is sufficient.
For ultimate customers, who do not have GLN, the address is indicated as clear text. The group C082 remains empty in this case.

Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Segment Layout

## Heading section

Example: NAD+UD+4399899175941::9++EDI-LAND:Herr Laufen:Garage+Bussardweg 5+Leopardshöhle++3 3818+DE'
The ultimate customer is identified by Global Location Number (GLN) 4399899175941. An address in clear text is only allowed in exceptional cases.

## Segment Layout

## Heading section



## Segment Layout

## Heading section



## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $52 \quad \begin{aligned} & \text { SG8 } \\ & 52 \\ & \\ & \\ & \\ & \\ & \text { MEA } \\ & \text { To spec }\end{aligned}$ | O 1 | EQD-MEA-SEL |  |  |  |
|  |  | Measurements |  |  |  |
|  | physical measur | urements, including di | ension |  | nces, weights and counts. |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Weight of equipment | 6313 | Measured attribute code | an.. 3 | A | AAB Unit gross weight |
|  | 6321 | Measurement significance code | an.. 3 | $\bigcirc$ |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | 0 |  |
|  | 6154 | Non-discrete measurement name | an.. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an.. 18 | $\bigcirc$ |  |

Segmentstatus: Optional
This segment is used to specify physical measurements or dimensions of the equipment described in the EQD segment.

Example: MEA+PD+AAB+KGM:50'
The gross weight is 50 kg .

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 533 ¢SG8 <br>  $\begin{aligned} & \text { MEA } \\ & \text { To specify }\end{aligned}$ | O 1 | EQD-MEA-SEL |  |  |  |
|  |  | Measurements |  |  |  |
|  | physical measur | urements, including di | nsion |  | nces, weights and counts. |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Volume of equipment | 6313 | Measured attribute code | an.. 3 | A | AAW Gross volume |
|  | 6321 | Measurement significance code | an.. 3 | $\bigcirc$ |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | 0 |  |
|  | 6154 | Non-discrete measurement name | an.. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an.. 18 | $\bigcirc$ |  |

Segmentstatus: Optional
This segment is used to specify physical measurements or dimensions of the equipment described in the EQD segment.

Example:MEA+PD+AAW+MTQ:20'
The gross volume is 20 cubic metres.

## Segment Layout

## Heading section

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 5454 SG8 SEL <br>  SE  <br>  To specify the  | numbe | EQD-MEA-SEL <br> Seal number r or a range of seal | mbers. |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
| Seal number connected to the equipment | 9308 | Seal identifier | an. 35 | R |  |
|  | C215 | Seal issuer |  | A |  |
|  | 9303 | Sealing party name code | an.. 3 | R | CU Customs SH Shipper |
| Segmentstatus: Optional <br> This segment is used to specify a seal number which is connected to the equipment identified in the EQD segment. <br> Example: SEL+ULD1212+SH' <br> The seal number connected to the equipment is ULD1212 |  |  |  |  |  |

## Segment Layout

## Detail section consignment

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| R 9999 |  | CPS-FTX-SG11-SG17 |  |  |  |
| 55 CPS M 1 Consignment packing sequence |  |  |  |  |  |
| To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Sequence of packages within the consignment | 7164 | Hierarchical structure level identifier | an. 35 | M | Sequential numbering is recommended |

Segmentstatus: Mandatory
The CPS segment starts the detail section of the message. The segments following the first occureence of CPS (CPS +1 ) and previous to the following CPS (CPS $+2+1$ ) can provide physical dimensions for the entire consignment.

This segment is used to identify the sequence in which packing of the consignment occurs, i.e. DE 7164 is increased by 1.

Note for the first occurence of SG 10:
Due to a unique message structure the first SG 10 (CPS+1) is always only used to indicate the number of packages of a consignment and its total weight and volume, even if the consignment consists of only one package.

Example: CPS+1'
Sequence number one.

## Segment Layout

## Detail section consignment



## Segment Layout

## Detail section consignment



## Segment Layout

## Detail section consignment

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 R 9999 CPS-FTX-SG11-SG17 |  |  |  |  |  |
| SG11 O 11 PAC-MEA-QTY-SG12-SG13 |  |  |  |  |  |
| 58 MEA O 1 Measurements |  |  |  |  |  |
| To specify physical measurements, including dimension tolerances, weights and counts. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Total volume of the consignment | 6313 | Measured attribute code | an.. 3 | A * | AAW Gross volume |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | N |  |
|  | 6154 | Non-discrete measurement name | an. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an. 18 | 0 |  |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. |  |  |  |  |  |
| Example:MEA+PD+AAW+MTQ:15' <br> The gross volume is 1 cubic metre. |  |  |  |  |  |

## Segment Layout

## Detail section consignment



## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units

| No. Seg |  |  | St Max. Occ. |
| :--- | :--- | :--- | :--- |
| SG10 |  |  |  |
|  | S 9999 | CPS-FTX-SG11-SG17 |  |
| SG11 | O 1 | PAC-MEA-QTY-SG12-SG13 |  |

61
PAC
M 1
Package
To describe the number and type of packages/physical units.

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of packages (despatch units) | 7224 | Package quantity | n. 8 | 0 |  |  |
|  | C531 | Packaging details |  | A |  |  |
|  | 7075 | Packaging level code | an.. 3 | N |  |  |
|  | 7233 | Packaging related description code | an.. 3 | O |  | 50 Package barcoded EAN-13 or EAN-8 <br> 52 Package barcoded UCC or EAN-128 <br> 78 Package bar-coded and EPC tagged (former 55E) <br> 79 Package EPC tagged only (former 56E) |
|  | 7073 | Packaging terms and conditions code | an.. 3 | 0 |  | Exchange pallet: <br> 27 Package exchangeable at the point of delivery Rented pallet: <br> 24 Rented One way pallet: <br> XX4 No Exchange / No Return Pallet (GS1 Temporary Code) |
|  | C202 | Package type |  | O |  |  |
|  | 7065 | Package type description code | an. 17 | A |  | 201 Pallet ISO 1-1/1 <br> EURO Pallet (GS1 <br> Temporary Code) <br> The use of any code value of this codes list is allowed. |
|  | 1131 | Code list identification code | an.. 17 | O |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | $9 \text { GS1 }$ <br> Code value 9 is only used if DE 7065 contains a GS1 code. |

Segmentstatus: Optional
This segment can be used to indicate the total number of packages of the consignment within the hierarchy level defined in the CPS segment. The content of each package is described in the following LIN segments.

Example: PAC+1+:52:27+201::9'

## Segment Layout

## Detail section despatch units

This consignment line contains 1 EURO pallet.

## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units

| No. Seg S | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 | O 1 | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| $63 \text { MEA }$ | O 1 Measurements |  |  |  |  |
| To specify physical measurements, including dimension tolerances, weights and counts. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M * | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Gross weight of a package | 年年 6313 | Measured attribute code | an.. 3 | A * | AAB Unit gross weight |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | N |  |
|  | 6154 | Non-discrete measurement name | an.. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an.. 18 | 0 |  |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. |  |  |  |  |  |
| Example: MEA + PD + AAB+KGM: $5^{\prime}$ <br> The gross weight is 5 kg . |  |  |  |  |  |

## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |  |
| SG11 | O 1 | PAC-MEA-QTY-SG12-SG13 |  |  |  |  |
| MEA |  | Measurements |  |  |  |  |
| To specify physical measurements, including dimension tolerances, weights and counts. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M | * | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |  |
| Height of package | 6313 | Measured attribute code | an.. 3 | A |  | HT Height dimension WD Width dimension LN Length dimension AEB Stacking height |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |  |
|  | 6155 | Non-discrete measurement name code | an. 17 | N |  |  |
|  | 6154 | Non-discrete measurement name | an. 70 | N |  |  |
|  | C174 | Value/range |  | R |  |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |  |
|  | 6314 | Measurement value | an. 18 | 0 |  |  |

## Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. The value of height is inclusive the height of consignment, e.g. pallet.

Example:MEA+PD+HT+MMT:1050'
The total height is 1050 mm

## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units

| No. Seg St | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 |  | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| SG13 | O 1000 | PCI-RFF-DTM-SG15 |  |  |  |
| SG15 |  | GIN |  |  |  |
| 67 GIN |  | Goods identity number |  |  |  |
| To give specific identification numbers, either as single numbers or ranges. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 7405 | Object identification code qualifier | an.. 3 | M * | BJ Serial shipping container code |
|  | C208 | Identity number range |  | M |  |
| Serial Shipping Containe Code (SSCC) | er $\quad 7402$ | Object identifier | an.. 35 | M |  |
| Segmentstatus: Optional |  |  |  |  |  |
| Example: GIN+BJ+3401234500000000014' <br> The SSCC is 340123450000000014 |  |  |  |  |  |

## Segment Layout

## Detail section despatch units

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 O 999 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 O 1 | $\bigcirc 1$ | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| SG13 O 100 | O 1000 | PCI-RFF-DTM-SG15 |  |  |  |
| $\begin{array}{llc}68 & \text { PCI } & \text { M } 1 \\ & \text { To specify marking }\end{array}$ | $\text { M } 1$ | Package identification |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
| Marking with GRAI (despatch units) | 4233 | Marking instructions code | an.. 3 | R | 41G Marked with GS1 Global Returnable Asset Identifier (GS1 Temporary Code) |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide markings with GRAI. |  |  |  |  |  |
| Example: PCI $+41 \mathrm{G}{ }^{\prime}$ Identification with | Example: PCI+41G' |  |  |  |  |

## Segment Layout

## Detail section despatch units

| No. Seg |  | St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69 | SG10 | O 9999 |  | CPS-FTX-SG11-SG17 |  |  |  |  |
|  | SG11 |  |  | PAC-MEA-QTY-SG12-SG13 |  |  |  |  |
|  | SG13 | O 1000 |  | PCI-RFF-DTM-SG15 |  |  |  |  |
|  | SG15 | O 99 |  | GIN |  |  |  |  |
|  | GIN |  |  | Goods identity number |  |  |  |  |
|  | To give specific identification numbers, either as single numbers or ranges. |  |  |  |  |  |  |  |
| Busi | Term |  | DE | EDIFACT | Format | St | * | Description |
|  |  |  | 7405 | Object identification code qualifier | an.. 3 | M |  | DA GS1 Global <br> Returnable Asset Identifier, without serial number <br> DB GS1 Global Returnable Asset Identifier, with serial number (former RAG) |
|  |  |  | C208 | Identity number range |  | M |  |  |
| $\begin{aligned} & \text { Glob } \\ & \text { Iden } \\ & \text { units } \end{aligned}$ | turnable As (GRAI) (de | $\begin{aligned} & \text { et } \\ & \text { patch } \end{aligned}$ | 7402 | Object identifier | an. 35 | M |  |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |  |
| This segment provides the GRAI. It may not be used to identify or track goods connected to the transport packaging and should therefore only be used in combination with SSCC. |  |  |  |  |  |  |  |  |
| Example: GIN+DA+401234500003000124'The GRAI is 401234500003000124 |  |  |  |  |  |  |  |  |

## Segment Layout

## Detail section despatch units

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 O 99 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 O 1 | $\bigcirc 1$ | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| SG13 O 10 | O 1000 | PCI-RFF-DTM-SG15 |  |  |  |
| $\begin{array}{ll}70 & \text { PCI } \quad \text { M } 1 \\ & \text { To specify markin }\end{array}$ | $\text { M } 1$ | Package identification |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Marking with GIAI (despatch unit/s) | 4233 | Marking instructions code | an.. 3 | R | 34 Marked GS1 Global Individual Asset Identifier (former 42G) |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide markings with GIAI. |  |  |  |  |  |
| Example: PCI+34' |  |  |  |  |  |

## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units



## Segment Layout

## Detail section despatch units / articles

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| O 9999 CPS-FTX-SG11-SG17 |  |  |  |  |  |
| 73 M 1 Consignment packing sequence |  |  |  |  |  |
| To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Sequence of the packages (despatch units / articles) | 7164 | Hierarchical structure level identifier | an. 35 | M | Sequential numbering is recommended |
| Hierarchy level (despatch units / articles) | 7166 | Hierarchical structure parent identifier | an.. 35 | A |  |

Segmentstatus: Optional
The line level details package and SSCC information that have not master data character.
This segment is used to provide the sequence of packages within the consignment, i.e. for each package astarts a new line level by use of the CPS segment and DE 7164 is increased by 1.

If for example the previous CPS segment (CPS $+2+1$ ) has been a pallet, it is possible to indicate the different layers in case of a sandwich pallet. By use of a sandwich pallet the lowest pallet is the first layer (CPS $+3+2$ ), the second layer is CPS $+4+2$, the third is CPS $+5+2$ etc. If the articles shall be described, SG10 is followed by SG17.

Example: $\mathrm{CPS}+3+2{ }^{\prime}$
Sequence number three.

[^1]Segment Layout
Detail section despatch units / articles

| No. Seg |  |  | St Max. Occ. |
| :---: | :---: | :--- | :--- |
| 74 | SG10 | O 9999 | CPS-FTX-SG11-SG17 |
|  | SG11 | O 1 | PAC-MEA-QTY-SG12-SG13 |
|  | PAC | M 1 | Package |

To describe the number and type of packages/physical units.

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of packages (despatch units / articles) | 7224 | Package quantity | n. 8 | 0 |  |  |
|  | C531 | Packaging details |  | A |  |  |
|  | 7075 | Packaging level code | an.. 3 | N |  |  |
|  | 7233 | Packaging related description code | an.. 3 | C |  | 50 Package barcoded EAN-13 or EAN-8 <br> 52 Package barcoded UCC or EAN-128 <br> 78 Package bar-coded and EPC tagged (former 55E) <br> 79 Package EPC tagged only (former 56E) |
|  | 7073 | Packaging terms and conditions code | an.. 3 | 0 |  | Exchange pallet: <br> 27 Package exchangeable at the point of delivery <br> Rented pallet: <br> 24 Rented (former 4E) <br> One way pallet: <br> XX4 No Exchange / No Return Pallet (GS1 Temporary Code) |
|  | C202 | Package type |  | O |  |  |
|  | 7065 | Package type description code | an. 17 | A |  | 201 Pallet ISO 1-1/1 <br> EURO Pallet (GS1 <br> Temporary Code) <br> The use of any code value of this codes list is allowed. |
|  | 1131 | Code list identification code | an. 17 | 0 |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | $9 \text { GS1 }$ <br> Code value 9 is only used if DE 7065 contains a GS1 code. |

## Segmentstatus: Optional

This segment can be used to indicate the total number of packages of the consignment within the hierarchy level defined in the CPS segment. The content of each package is described in the following LIN segments.

Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Segment Layout

## Detail section despatch units / articles

Example: PAC+1+:52:27+201: : $9^{\prime}$
This consignment line contains 1 EURO pallet.

## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles

| No. Seg | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 | O 1 | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| 77 MEA | O 1 Measurements |  |  |  |  |
| To specify physical measurements, including dimension tolerances, weights and counts. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Volume of package | 6313 | Measured attribute code | an.. 3 | A | AAW Gross volume |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | N |  |
|  | 6154 | Non-discrete measurement name | an.. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an.. 18 | 0 |  |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. |  |  |  |  |  |
| Example:MEA+PD+AAW+LTR:1' <br> The gross volume is one cubic metre. |  |  |  |  |  |

## Segment Layout

## Detail section despatch units / articles



## Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. The value of height is inclusive the height of consignment, e.g. pallet.

Example:MEA+PD+HT+MMT:1050'
The total height is 1050 mm

## Segment Layout

## Detail section despatch units / articles

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG11 |  | PAC-MEA-QTY-SG12-SG13 |  |  |  |
| MEA O |  | Measurements |  |  |  |
| To specify physical measurements, including dimension tolerances, weights and counts. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St * | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M * | PD Physical dimensions (product ordered) |
|  | C502 | Measurement details |  | A |  |
| Gross weight of the consignment | 6313 | Measured attribute code | an.. 3 | A * | AAD Total gross weight |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | N |  |
|  | 6154 | Non-discrete measurement name | an.. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M |  |
|  | 6314 | Measurement value | an.. 18 | 0 |  |
| Segmentstatus: Optional |  |  |  |  |  |
| This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. After the first occurence of the CPS segment the total gross weight of the consignment is provided. |  |  |  |  |  |
| Example:MEA+PD+AAD+KGM:10' <br> The gross weight is 5 kg . |  |  |  |  |  |

## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section despatch units / articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles

| St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { SG10 } \\ & \text { SG17 } \end{aligned}$ | $\text { O } 9999$ | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |  |
| D 1 <br> Additional product id |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 5 Product identification |
|  | C212 | Item number identification |  | M |  |  |
| Suppliers acticle number | r $\quad 7140$ | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | SA Supplier's article number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | 91 Assigned by supplier or supplier's agent |

Segmentstatus: Mandatory, if LIN segment does not provide a GTIN, otherwise segment is not used.

This segment is only used, if LIN segment does not provide a GTIN. It than must follow the LIN segment immeditaly. In this case LIN segment (mandatory) only provides the line item number. Identification of the article is done by use of the suppliers article number in this PIA segment, DE 4347 is filled with "5" for primary identification.

Book:
The suppliers article number can be used as primary identification. The application of both numbering systems at the same time is not allowed, if DE 4347 filled with " 5 " for primary identification is used.

Example:PIA+5+ABC5343:SA::91'
Only if LIN does not provide GTIN: Articleidentification in PIA

[^2]
## Segment Layout

## Detail section articles

|  | Seg | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG10 | O 9999 |  | CPS-FTX-SG11-SG17 |  |  |  |
|  | SG17 | 0 |  | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25 |  |  |  |
| 90 | PIA |  |  | Additional product id |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St * | Description |
|  |  |  | 4347 | Product identifier code qualifier | an.. 3 | M * | 3 Substituted by |
|  |  |  | C212 | Item number identification |  | M |  |
| Substitute article |  |  | 7140 | Item identifier | an. 35 | R |  |
|  |  |  | 7143 | Item type identification code | an.. 3 | R * | SRV GS1 Global Trade Item Number |
|  |  |  | 1131 | Code list identification code | an.. 17 | N |  |
|  |  |  | 3055 | $\begin{aligned} & \text { Code list responsible } \\ & \text { agency code } \end{aligned}$ | an.. 3 | D * | 9 GS1 |
| Segmentstatus: Mandatory, if the article number has been changed, otherwise segment is not used. |  |  |  |  |  |  |  |
| This function can be used within the DESADV to indicate a change of the article number. The LIN segment provides the GTIN of the ordered product and the PIA segment provides the substitute article GTIN. |  |  |  |  |  |  |  |
| Example: PIA+3+4025894315970:SRV: :9'Substitute article GTIN |  |  |  |  |  |  |  |

## Segment Layout

## Detail section articles



Segmentstatus: Optional
This segment is used to advise the suppliers article number additionally to GTIN.
Example:PIA+1+7788:SA::91'
The product with GTIN 4056786542381 is additionally identified with suppliers article number 7788.

[^3]
## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



Segmentstatus: Optional
This segment is used to mark an article as a promotional variant.
DE 7143 = PV, promotional variant: The mumber supplementing the identification code of a product identifies this product as a variant of the standard product. To be used if the variant has only minimal differences and a changed of the main identification code is not justified.

Example: PIA $+1+4056786542381:$ PV: : $9^{\prime}$
The product identified with GTIN 4056786542381 is a promotional variant.

[^4]
## Segment Layout

## Detail section articles



## Segmentstatus: Optional

This segment can be used to indicate the batch number.
Example:PIA+1+CH-X4711:NB: :91'
The batch number of the product is $\mathrm{CH}-\mathrm{X} 4711$.

## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



Segmentstatus: Optional
This segment is used if the previous PIA segment can not provide all relevant information.
Note: One PIA segment with five C212 or five Pia segments with one C212 each can be used in the

## Segment Layout

## Detail section articles

same way, if the content of DE 4347 is identical.
Example: PIA+1+CH-5343:NB: :91+XYZ987:HS+4012368259753:PV: :91'
Batch number, Harmonized system, Promotional variant

## Segment Layout

## Detail section articles



## Detail section articles



Segmentstatus: Optional
This segment is used to specify additional item identification codes.
This segment may only be used if the prior PIA segment indicates DE 7143 = BRI. Attribute type and attribute value have to be indicated together in this segment. For transmission of multiple attributes this PIA segment will be repeated.

Example:PIA+1+20000217:GAT: :9+30002816:GAV: :9'
Attribute type Colour of wine, Attribute value rosé

[^5]
## Detail section articles



Segmentstatus: Optional
This segment is only used to describe the curent line item if the used GTIN is not yet unique. The size name is given in clear text by use of code value $F$ in DE 7077. If additionally a size identifier is provided in DE 7009 than code value B is used for DE 7077.

Example:IMD+B+SGR::9+30/31::91:Extra small::DE'
The product identified by GTIN 4056786542381 ha got size 30/31.

## Detail section articles

| No. Seg | St Max. Occ. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |
| SG17 | - 9999 | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25 |  |  |  |
| To describe an item in either an industry or free format. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | 7077 | Description format code | an.. 3 | 0 | A Free-form long description |
|  | C272 | Item characteristic |  | 0 |  |
|  | 7081 | Item characteristic code | an.. 3 | R |  |
|  | C273 | Item description |  | A |  |
|  | 7009 | Item description code | an.. 17 | 0 |  |
|  | 1131 | Code list identification code | an.. 17 | 0 |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D |  |
| Article long description | 7008 | Item description | an. 25 | 0 | The length of DE 7008 is restricted to 70 characters. Bigger sizes have to be agreed bilaterally. |
|  | 7008 | Item description | an. 25 | 0 |  |
|  | 3453 | Language name code | an.. 3 | 0 | ISO 639 2-Alpha Code |
| Segmentstatus: Optional |  |  |  |  |  |
| Example:IMD+A++:::Rudi Rüssel::DE' <br> Article long description: Rudi Rüssel |  |  |  |  |  |

## Segment Layout

## Detail section articlesnit



## Segmentstatus: Optional

This segment is used to provide a description for the current line item.
This segment is only used when the invoiced article is a display/mixed assortment. Then a specific sub-line must folloe (Description 2. detail section)

Example: IMD+C++SG: :9'
Display, it is an assortment unit

[^6]
## Segment Layout

## 1.Detail section - invoiced unit



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{lll} \text { SG10 } & 0 & 99 \\ \text { SG17 } & 0 & 99 \end{array}$ | $\text { ○ } 9999$ | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |
| 106 MEA D 1 | measu | Measurements | mension | olera | nces, weights and counts. |
| Business Term | DE | EDIFACT | Format | St ${ }^{*}$ | Description |
|  | 6311 | Measurement purpose code qualifier | an.. 3 | M * | ABW Unit of measure used for invoiced quantities |
|  | C502 | Measurement details |  | A |  |
| Total weight of the line item | 6313 | Measured attribute code | an.. 3 | A | AAL Net weight |
|  | 6321 | Measurement significance code | an.. 3 | 0 |  |
|  | 6155 | Non-discrete measurement name code | an.. 17 | N |  |
|  | 6154 | Non-discrete measurement name | an. 70 | N |  |
|  | C174 | Value/range |  | R |  |
|  | 6411 | Measurement unit code | an.. 3 | M | The use of any code for products of variable quantity is allowed. |
|  | 6314 | Measurement value | an. 18 | 0 |  |
| Only for variable weight products, which are ordered and delivered as pieces, but invoiced by weight (or volume) this segment must be used. The information enables a check of the weight at the receiving point. The following INVOIC will indicate this weight in the segment "QTY+47...", excepting the receiver gave information about differences to the supplier with RECADV. |  |  |  |  |  |

## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { SG } 10 \\ & \text { SG } 17 \end{aligned}$ | $\text { O } 9999$ | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |
| 108 <br> QTY <br> To speci | $01$ <br> Quantity |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C186 | Quantity details |  | M |  |
|  | 6063 | Quantity type code qualifier | an.. 3 | M | 192 Free goods quantity |
| Free goods quantity | 6060 | Quantity | an. 35 | M | Note: <br> Use only numeric values. |
|  | 6411 | Measurement unit code | an.. 3 | D | The use of any code value of this codes list is allowed. |

Segmentstatus: Optional
This segment can be used to provide free goods quantity.
The use of more than one QTY segment needs to be mutually agreed. If the same line contains "quantity delivered, QTY+12..." and "free goods quantity", than "free goods quantity" is contained in "quantity delivered". If one line "free goods quantity" and one line "quantity delivered" is transmitted by use of the same GTIN, the total quantity is calculated by addition of both QTY segments.

DE 6411 is only used, if the article is a variable quantity article. Default value is piece.
Example: $Q T Y+192: 1^{\prime}$
1 piece without invoicing.

[^7]
## Segment Layout

## Detail section articles

| Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { SG } 10 \\ & \text { SG } 17 \end{aligned}$ | $\text { O } 9999$ | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |
| 109 <br> QTY <br> To speci | $01$ <br> Quantity |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C186 | Quantity details |  | M |  |
|  | 6063 | Quantity type code qualifier | an.. 3 | M | 21 Ordered quantity |
| Ordered quantity | 6060 | Quantity | an. 35 | M | Note: <br> Use only numeric values. |
|  | 6411 | Measurement unit code | an.. 3 | D | The use of any code value of this codes list is allowed. |
| Segmentstatus: <br> This segment can <br> DE 6411 is only <br> Example: QTY+21: <br> The ord | onal <br> used addition <br> , if the article <br> quantity is 9 | ally if quantity differs is a variable quantity pieces. | etween <br> article. | what | was ordered/delivered. <br> t value is piece. |

## Segment Layout

## Detail section



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section



## Segment Layout

## Detail section



## Segment Layout

## 1.Detail section - invoiced unit



## Segment Layout

## 1.Detail section - invoiced unit



## Detail section articles

| No. Seg St Max. Occ. |  |  |  |
| :---: | :---: | :---: | :---: |
|  | SG10 | ○ 9999 | CPS-FTX-SG11-SG17 |
|  | SG17 | ○ 9999 | ```LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- SG22-SG25``` |
|  | SG22 | $\bigcirc 1$ | PCI-DTM-MEA-QTY-SG23-SG24 |
| 118 | PCI | M 1 | Package identification |

To specify markings and labels on individual packages or physical units.

| Business Term | DE | EDIFACT | Format | St | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Marking on package | 4233 | Marking instructions code | an.. 3 | 0 | 17 Supplier's instructions <br> To be used in conjunction with DE 7102. <br> 34E Marked with GS1 <br> number (GS1 <br> Temporary Code) <br> To be used in conjunction with the following GIN segment. <br> 36E Marked with batch <br> number (GS1 <br> Temporary Code) <br> To be used in conjunction with the following GIN segment. <br> 38E Marked with expiry date (GS1 <br> Temporary Code) <br> To be used in conjunction with the following DTM segment. <br> 39E Marked with best before date (GS1 <br> Temporary Code) <br> To be used in conjunction with the following DTM segment. |
|  | C210 | Marks \& labels |  | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | M |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks description | an. 35 | 0 |  |
|  | 7102 | Shipping marks | an. 35 | 0 |  |

Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Segment Layout

Detail section articles

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- |
|  |  | description |  |  |  |  |
|  | 7102 | Shipping marks <br> description | an..35 | O |  |  |

Segmentstatus: Optional
This segment is used to provide markings and labels information relevant to the product identified in the LIN segment.

Example: PCI+17+1:1:1:1:1:1:1:1:1:1'
The package is marked with instructions.

## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles

| No. Seg |  | St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SG10 | O 9999 | CPS-FTX-SG11-SG17 |  |  |  |  |
|  | SG17 | O 9999 | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |  |
|  | SG22 | $\bigcirc 1$ | PCI-DTM-MEA-QTY-SG23-SG24 |  |  |  |  |
|  | SG23 | O 10 | GIN-DLM |  |  |  |  |
| 122 | GIN | M 1 | Goods identity number |  |  |  |  |
| To give specific identification numbers, either as single numbers or ranges. |  |  |  |  |  |  |  |
| Business Term |  | DE | EDIFACT | Format | St | * | Description |
|  |  | 7405 | Object identification code qualifier | an.. 3 | M | * | SRV GS1 Global Trade Item Number (GS1 Temporary Code) |
| GTIN (package) |  | C208 | Identity number range |  | M |  |  |
|  |  | 7402 | Object identifier | an.. 35 | M |  |  |
| Segmentstatus: Optional |  |  |  |  |  |  |  |
| If the package of the product is marked with a GTIN, it is indicated here. |  |  |  |  |  |  |  |
| Example: GIN+SRV+4000862141423' |  |  |  |  |  |  |  |

## Detail section articles

| No. Seg St Max. Occ. |  |  |  |
| :---: | :---: | :---: | :---: |
| 123 | SG10 | O 9999 | CPS-FTX-SG11-SG17 |
|  | SG17 | O 9999 | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- SG22-SG25 |
|  | SG22 | O 1 | PCI-DTM-MEA-QTY-SG23-SG24 |
|  | SG23 | O 10 | GIN-DLM |
|  | GIN | M 1 | Goods identity number |
|  | To give specific identification numbers, either as single numbers or ranges. |  |  |


| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 7405 | Object identification code qualifier | an.. 3 | M | * | BN Serial number |
|  | C208 | Identity number range |  | M |  |  |
| Serialised GTIN (package) | 7402 | Object identifier | an. 35 | M |  | The serialised GTIN (SGTIN) is componed by the GTIN from the previous GIN segment plus the current serial number. |
|  | 7402 | Object identifier | an. 35 | 0 |  |  |
|  | C208 | Identity number range |  | O |  |  |
|  | 7402 | Object identifier | an. 35 | M |  |  |
|  | 7402 | Object identifier | an. 35 | 0 |  |  |
|  | C208 | Identity number range |  | O |  |  |
|  | 7402 | Object identifier | an. 35 | M |  |  |
|  | 7402 | Object identifier | an. 35 | 0 |  |  |
|  | C208 | Identity number range |  | O |  |  |
|  | 7402 | Object identifier | an. 35 | M |  |  |
|  | 7402 | Object identifier | an. 35 | O |  |  |
|  | C208 | Identity number range |  | O |  |  |
|  | 7402 | Object identifier | an. 35 | M |  |  |
|  | 7402 | Object identifier | an. 35 | O |  |  |

Segmentstatus: Optional
If a serialised GTIN shall be indicated, this segment follows GIN+SRV.....
Note:
It is possible to indicate a range of numbers per C208. If single serial numbers shall be indicated, each C208 contains one serial number.

Example: GIN+BN+999888777+X+X+X+X'
The serialised GTIN is 4000862141423999888777.

## Segment Layout

## Detail section articles



## Segment Layout

## Detail section articles



Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Segment Layout

## 2.Detail section - units included in assortment

| St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG17 <br> D 9999 |  | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |  |
| $126 \quad \begin{array}{ll}\text { LIN } & \text { M } 1 \\ & \text { To identify a line }\end{array}$ | em and | Line item |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St |  | Description |
| Sub line to describe assortment/display. Listing of included units. <br> Line item number (Display content) | 1082 | Line item identifier | an.. 6 | R |  | Application generated number of the item lines within the message. |
|  | 1229 | Action request/ notification description code | an.. 3 | N |  |  |
|  | C212 | Item number identification |  | D |  |  |
| GTIN Article identifikation (Display content) | 7140 | Item identifier | an. 35 | R |  | GTIN, Format n.. 14 |
|  | 7143 | Item type identification code | an.. 3 | R | * | SRV GS1 Global Trade Item Number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | N |  |  |
|  | C829 | Sub-line information |  | D |  |  |
|  | 5495 | Sub-line indicator code | an.. 3 | R | * | 1 Sub-line information |
|  | 1082 | Line item identifier | an.. 6 | R |  | Reference to line item number |

Segmentgroup status: Only to indicate the content of assortments/displays!
Segmentstatus: Mandatory
One LIN sub line has to be indicated per unit included in assortment. The display and each contained unit are identified with their own, different GTIN.

C829: These composites are only used when sub-lines are required.
FOR A COMPLETE DESCRIPTION ON THE USAGE OF SUB-LINES PLEASE REFER TO PART I, SECTION 4.10 OF THE EANCOM 2002 MANUAL.

Example: LIN+2++4000862141423:SRV+1:1'
Sub line to describe units included in assortment/display

## Segment Layout

## 2.Detail section - units included in assortment

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \text { SG10 } & 09999 \\ \text { SG17 } & D 9999 \end{array}$ |  | $\begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20- } \\ & \text { SG22-SG25 } \end{aligned}$ |  |  |  |  |
| PIA <br> D 1 <br> Additional product id |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 5 Product identification |
|  | C212 | Item number identification |  | M |  |  |
| Suppliers acticle number (Display content) | r\| 7140 | Item identifier | an. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | SA Supplier's article number |
|  | 1131 | Code list identification code | an. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | 91 Assigned by supplier or supplier's agent |

Segmentstatus: Mandatory, if LIN segment does not provide a GTIN, otherwise segment is not used.

This segment is only used, if LIN segment does not provide a GTIN. It than must follow the LIN segment immeditaly. In this case LIN segment (mandatory) only provides the line item number and indication of sub line level. Identification of the article is done by use of the suppliers article number in this PIA segment, DE 4347 is filled with " 5 " for primary identification.

Example:PIA+5+ABC5343:SA: :91'
Only if LIN does not provide GTIN: Articleidentification in PIA

## Segment Layout

## 2.Detail section - units included in assortment

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \text { SG10 } & 09999 \\ \text { SG17 } & D 9999 \end{array}$ |  | $\begin{aligned} & \text { CPS-FTX-SG11-SG17 } \\ & \text { LIN-PIA-IMD-MEA-QTY } \\ & \text { SG22-SG25 } \end{aligned}$ <br> Additional product id bstitutional item ident | -ALI-DL <br> ification | cod | es | M-FTX-MOA-SG18-SG20- |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 1 Additional identification |
|  | C212 | Item number identification |  | M |  |  |
| Suppliers article number (Display content) | 7140 | Item identifier | an. 35 | R |  |  |
|  | 7143 | Item type identification code | an. 3 | R | * | SA Supplier's article number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an. 3 | D | * | 91 Assigned by supplier or supplier's agent |
|  | C212 | Item number identification |  | 0 |  |  |
| Buyer's part number (Display content) | 7140 | Item identifier | an. 35 | R |  |  |
|  | 7143 | Item type identification code | an. 3 | R | * | IN Buyer's item number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | 92 Assigned by buyer or buyer's agent |
|  | C212 | Item number identification |  | 0 |  |  |
| Article group code (Display content) | 7140 | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | GN National product group code |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an. 3 | D |  | 246 GS1 Germany |
|  | C212 | Item number identification |  | 0 |  |  |
| Serial number (Display content) | 7140 | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | SN Serial number |

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

## Segment Layout

2.Detail section - units included in assortment

| Business Term | DE | EDIFACT | Format | St | * | Description |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1131 | Code list identification <br> code | an..17 | N |  |  |
|  | 3055 | Code list responsible <br> agency code | an..3 | D | 91 Assigned by supplier <br> or supplier's agent |  |

Segmentstatus: Mandatory to provide suppliers article number, all other information are optional.
This segment is used to specify additional item identification codes such as a buyer's or supplier's item number.

Example: PIA+1+ABC5343:SA: :91+XYZ987:IN: :92+1111:GN: :246+0815:SN: :91'
Suppliers internal article number ABC5343, Buyers article number XYZ987, Article Group number 1111, Serial number 0815.

## Segment Layout

## 2.Detail section - units included in assortment

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \text { SG10 } & 09999 \\ \text { SG17 } & D 9999 \end{array}$ |  | $\begin{aligned} & \text { CPS-FTX-SG11-SG17 } \\ & \text { LIN-PIA-IMD-MEA-QTY- } \\ & \text { SG22-SG25 } \end{aligned}$ <br> Additional product id bstitutional item ident | -ALI-DLM <br> ification | M-D | des | M-FTX-MOA-SG18-SG20- |
| Business Term | DE | EDIFACT | Format | St | , | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 1 Additional identification |
|  | C212 | Item number identification |  | M |  |  |
| Batch number (Display content) | 7140 | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | NB Batch number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D |  | 91 Assigned by supplier or supplier's agent |
|  | C212 | Item number identification |  | 0 |  |  |
| Harmonised system (Display content) | 7140 | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | HS Harmonised system |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an. 3 | D |  |  |
|  | C212 | Item number identification |  | 0 |  |  |
| Articles promotional variant (Display content) | 7140 | Item identifier | an.. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | PV Promotional variant number |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D |  | 9 GS1 <br> 91 Assigned by supplier or supplier's agent <br> 92 Assigned by buyer or buyer's agent |
| Segmentstatus: Optional <br> This segment is used if th <br> Example:PIA+1+CH-5343:NB | previous : :91+XYZ | s PIA segment can not Z987:HS+4012368259753 | provide 3:PV: :91 | all | re | levant information. |

Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

## Segment Layout

## 2.Detail section - units included in assortment

Batch number, Harmonized system, Promotional variant.

## Segment Layout

## 2.Detail section - units included in assortment



## Segment Layout

## 2.Detail section - units included in assortment



## Segment Layout

## 2.Detail section - units included in assortment

| No. Seg St Max. Occ. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 <br> ○ 9999 <br> CPS-FTX-SG11-SG17 <br> SG17 <br> D 9999 <br> LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25 |  |  |  |  |  |  |  |
| Business Term |  | DE | EDIFACT | Format | St | * | Description |
|  |  | 7077 | Description format code | an.. 3 | R | * | C Code (from industry code list) |
|  |  | C272 | Item characteristic |  | N |  |  |
|  |  | 7081 | Item characteristic code | an.. 3 | C |  |  |
|  |  | C273 | Item description |  | R |  |  |
| Cons | unit | 7009 | Item description code | an.. 17 | R | * | CU Consumer unit (GS1 Permanent Code) |
|  |  | 1131 | Code list identification code | an.. 17 | 0 |  |  |
|  |  | 3055 | Code list responsible agency code | an.. 3 | D |  | $9 \text { GS1 }$ <br> Must be used if DE 7009 contains a GS1 Code |
| Seg <br> This <br> Note <br> Exam | tstatus: <br> ment is <br> DE 7009: <br> : IMD+C++ <br> The arti | datory <br> to provide a <br> e included unit :9' <br> is a consumer | description for the cur t is marked as consum unit. | ent line <br> er unit. | Item | rm | ediate units are not shown. |

## Segment Layout

## 2.Detail section - units included in assortment

| No. Seg St Max. Occ. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG10 O 9999 CPS-FTX-SG11-SG17 |  |  |  |  |  |  |  |
| SG17 |  | D 9999 |  | LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25 |  |  |  |
| 133 IMD |  |  | m in eith | Item description |  |  |  |
| Business Term |  |  | DE | EDIFACT | Format | St | Description |
|  |  |  | 7077 | $\begin{aligned} & \text { Description format } \\ & \text { code } \end{aligned}$ | an.. 3 | R | A Free-form long description |
|  |  |  | C272 | Item characteristic |  | C |  |
|  |  |  | 7081 | Item characteristic code | an.. 3 | N |  |
|  |  |  | C273 | Item description |  | A |  |
|  |  |  | 7009 | Item description code | an.. 17 | 0 |  |
|  |  |  | 1131 | Code list identification code | an.. 17 | 0 |  |
|  |  |  | 3055 | Code list responsible agency code | an.. 3 | D |  |
| Article long description (Display content) |  |  | 7008 | Item description | an.. 25 | 0 | The length of DE 7008 is restricted to 70 characters. Bigger sizes have to be agreed bilaterally. |
|  |  |  | 7008 | Item description | an. 25 | 0 |  |
|  |  |  | 3453 | Language name code | an.. 3 | 0 | ISO 639 2-Alpha Code |
| Segmentstatus: Mandatory |  |  |  |  |  |  |  |
| Example:IMD+A++:::Rüssel von Rudi::DE' <br> The article description is: Rüssel von Rudi |  |  |  |  |  |  |  |

## Segment Layout

## 2.Detail section - units included in assortment



## Segment Layout

## Summary section <br> Summary section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $135$ | O 5 <br> control total. | Control total |  |  | To provide control total. |  |
| Business Term | DE | EDIFACT | Format | St |  | Description |
|  | C270 | Control |  | M |  |  |
|  | 6069 | Control total type code qualifier | an.. 3 | M |  | 2 Number of line items in message <br> 7 Total gross weight <br> Note: When using code value '7= Total gross weight' in this data element the total specified in data element 6066 is arrived at by adding the values in data element 6314 of the MEA segment at LIN level when code value AAB is used in the same MEA segment. |
| Control value | 6066 | Control total value | n.. 18 | M |  |  |

Segmentstatus: Optional
This segment is used to provide message control information for checking on the message receiver's in-house system.

The message contains 3 line items.
Example:CNT+2:3'

## Segment Layout

## End of message

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- |
| 136UNT M 1 <br> To end and check the completeness of a message. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
| Total number of segments in <br> the message | 0074 | Number of segments in <br> the message | n..6 | M |  |  |
|  | 0062 | Message reference <br> number | an..14 | M | The message reference <br> numbered detailed here <br> should equal the one specified <br> in the UNH segment. |  |

Segmentstatus: Mandatory
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Number of segments in the message.
Example: UNT+171+ME000001'
Number of segments in the message.

## Segment Layout

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 137 UNZ M 1 Interchange trailer <br>  To end and check the completeness of an interchange.   |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| End of the transmission file, Number of messages or message groups | 0036 | Interchange control count | n.. 6 | M | Number of messages or message groups in the transmission file. |
| Interchange control reference, end | 0020 | Interchange control reference | an.. 14 | M | Interchange control reference, identical with UNB DE 0020. |

The UNZ segment is the last segment of the transmission file.
Note DE 0036:
If functional groups are not used, this is the number of messages within the interchange.
Example: UNZ+1+4711'
The transmission file contains 1 message.

## Used Codes

| 0001 | Syntax identifier |
| :---: | :---: |
|  | Coded identification of the agency controlling a syntax and syntax level used in an interchange. |
|  | Notes: <br> 1. a3, upper case, Controlling Agency (e.g. UNO=UN/ECE) and a1 stating level (e.g. A) (which together give UNOA). |
| UNOA | UN/ECE level A |
|  | As defined in the basic code table of ISO 646 with the exceptions of lower case letters, alternative graphic character allocations and national or applicationoriented graphic character allocations. |
| UNOB | UN/ECE level B |
|  | As defined in the basic code table of ISO 646 with the exceptions of alternative graphic character allocations and national or application-oriented graphic character allocations. |
| UNOC | UN/ECE level C |
|  | As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1. |
| UNOD | UN/ECE level D |
|  | As defined in ISO 8859-2 : Information processing - Part 2: Latin alphabet No. 2. |
| UNOE | UN/ECE level E |
|  | As defined in ISO 8859-5 : Information processing - Part 5: Latin/Cyrillic alphabet. |
| UNOF | UN/ECE level F |
|  | As defined in ISO 8859-7 : Information processing - Part 7: Latin/Greek alphabet. |
| 0002 | Syntax version number |
|  | Version number of the syntax identified in the syntax identifier (0001) |
|  | Notes: |
| 3 | Version 3 |
|  | ISO 9735 Amendment 1:1992. <br> GS1 Description: <br> Syntax version number 3. This code can be used with all of the character sets (A, B, C, D, E and F). |

## Used Codes

| 0007 | Partner identification code qualifier |
| :---: | :---: |
|  | Qualifier referring to the source of codes for the identifiers of interchanging partners. |
|  | Notes: <br> 1. Used with sender/recipient identification code. |
| 14 | GS1 |
|  | Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System. |
| 0025 | Recipient's reference/password qualifier |
|  | Qualifier for the recipient's reference or password. |
|  | Notes: <br> 1. If specified in IA. |
| AA | Reference |
|  | Recipient's reference/password is a reference. |
| BB | Password |
|  | Recipient's reference/password is a password. |
| 0029 | Processing priority code |
|  | Code determined by the sender requesting processing priority for the interchange. |
|  | Notes: <br> 1. Used if specified in IA. |
| A | Highest priority |
|  | Requested processing priority is the highest. |
| 0031 | Acknowledgement request |
|  | Code determined by the sender for acknowledgement of the interchange. |
|  | Notes: |
|  | 1. Set $=1$ if sender requests acknowledgement, i.e. UNB and UNZ segments received and identified. |
| 1 | Requested |
|  | Acknowledgement is requested. |
| 0035 | Test indicator |
|  | Indication that the interchange is a test. |
|  | Notes: |
|  | 1. Set = 1 if the interchange is a test. Otherwise not used. |

## Used Codes

1
Interchange is a test
Indicates that the interchange is a test.

0051 \begin{tabular}{l}
Controlling agency <br>
Code to identify the agency controlling the specification, maintenance and <br>
publication of the message type.

$\quad$

UN/CEFACT <br>
United Nations Centre for Trade Facilitation and Electronic Business (UN/ <br>
CEFACT). <br>
GS1 Description: <br>
UN Economic Commission for Europe (UN/ECE), Committee on the <br>
development of trade (TRADE), Working Party on facilitation of international <br>
trade procedures (WP.4).
\end{tabular}

## Used Codes

| DESADV | Despatch advice message <br> A code to identify the despatch advice message. <br> GS1 Description: <br> A message specifying details for goods despatched or ready for despatch under <br> agreed conditions. The United Nations Despatch Advice Message serves both as <br> a specification for Delivery Despatch Advice and also as a Returns Despatch <br> Advice message. |
| :--- | :--- |
| $\mathbf{1 0 0 1}$ | Document name code <br> Code specifying the document name. |
| Ready for despatch advice |  |
| Document/message issued by a supplier informing a buyer that goods ordered |  |
| are ready for despatch. |  |

## 1131 Code list identification code

Code identifying a user or association maintained code list.
Notes:

1. The codes for this data element are provided by the code list responsible agency defined in data element 3055.

## Used Codes

| 23 | Clearing house automated payment |
| :---: | :---: |
|  | Self explanatory. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
|  | GS1 Description: |
|  | Banking community' automated payment clearing system. |
| 25 | Bank identification |
|  | Code for identification of banks. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
| 106 | Incoterms 1980 |
|  | (4110) Code to indicate applicable Incoterm (1980 edition) under which seller |
|  | undertakes to deliver merchandise to buyer (ICC). Incoterms 1990: use 4053 only. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
| 132 | Charge |
|  | Identification of a type of charge. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
| 154 | Bank branch sorting identification |
|  | Identification of a specific branch of a bank. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
| 157 | Clearing code |
|  | Identification of the responsible bank/clearing house which has cleared or is ordered to do the clearing. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |
| 166 | Social security identification |
|  | Code assigned by the authority competent to issue social security identification to identify a person. |
|  | Notes: |
|  | This code value will be removed effective with directory D.04A. |

## Used Codes

| Citizen identification |  |
| :--- | :--- |
| Self explanatory. |  |
|  | Notes: <br> This code value will be removed effective with directory D.04A. <br> GS1 Description: <br> Code issued by national authority competent to issue citizen identification to <br> identify a person. |
| Incoterms 1990 (GS1 Temporary Code) <br> Incoterms 1990 as published by the International Chamber of Commerce <br> (ICC). |  |
| Incoterms 2000 (GS1 Temporary Code) |  |
| Incoterms 2000 as published by the International Chamber of Commerce |  |
| (ICC). |  | | Incoterms 2010 (GS1 Temporary Code) |
| :--- |
| Incoterms 2010 as published by the International Chamber of Commerce |
| (ICC). |

## Used Codes

|  | Ordering unit of measure (GS1 Temporary Code) <br> The alternate Unit of Measure of how Trade Items are ordered by the Retailer <br> under one Unit of Measure, but sold under another Unit of Measure. |
| :--- | :--- |
| SKB |  |
| SKR recommendation (GS1 Temporary Code) |  |
| SKRS recommendation for standard clothes hanger. |  |

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| X18 | Hazardous Components are Removable (GS1 Temporary Code) |
| :---: | :---: |
|  | An indicator if any hazardous components contained within the trade item can easily be separated from the other materials to facilitate product recycling. |
| X19 | Trade Item Has Refuse Obligations (GS1 Temporary Code) |
|  | Indicates if there are special disposal obligations that apply to the trade item for example INTRASTAT. |
| X20 | Trade Item Is Designed for Easy Disassembly (GS1 Temporary Code) |
|  | Indicates that the trade item is designed for easy disassembly by recycling facilities using standard industry tools. |
| X21 | Trade Item Is Rigid Plastic Packaging Container (GS1 Temporary Code) |
|  | Indicates that a product is or is contained in a Rigid Plastic Packaging Container (RPPC) as defined by laws in the target market. |
| X22 | Trade Item Is ROHS Compliant (GS1 Temporary Code) |
|  | Indicates if the product is compliant with the European Union RoHS Directive. |
| X23 | Trade Item Is Universal Waste (GS1 Temporary Code) |
|  | Indicates if a product can be considered universal waste. |
| X24 | Trade Item Is Consumer Upgradeable Or Maintainable (GS1 Temporary Code) |
|  | Indicates if a product can be easily upgraded or have parts replaced by the consumer. |
| X25 | Trade Item Contains Short Chain Chlorinated Paraffins (GS1 Temporary Code) |
|  | Indicate if the trade item and/or its components contain paints, coatings, plastics or other materials containing short chain chlorinated paraffins (SCCPs). |
| X26 | Trade Item Contains Pesticide (GS1 Temporary Code) |
|  | Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism. |
| X27 | Trade Item Contains Propellant (GS1 Temporary Code) |
|  | Indicates if a trade item contains a compressed gas or propellant. |
| X28 | Trade Item Contains Polyvinyl Chloride (GS1 Temporary Code) |
|  | Indicate if product contains Polyvinyl Chloride (PVC), a widely used thermoplastic polymer. |
| X29 | Trade Item Chemical Is Not Intended For Human Consumption (GS1 Temporary Code) |
|  | Indicates that the trade item is or contains a Liquid, Gel, Paste, Powder, or Flammable solid not intended for human consumption (ingested). |
| X30 | ROHS Compliance Failure Material (GS1 Temporary Code) |
|  | The material used in the trade item that does not comply with the ROHS Directives |


| X31 | Packaging Terms And Condition (GS1 Temporary Code) |
| :---: | :---: |
|  | Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable. |
| X32 | Warranty Effective Date Type (GS1 Temporary Code) |
|  | The type of date associated with the warranty trade item usually expressed as an event date for the item for example date of purchase, date of manufacture or date of delivery. |
| X33 | Warranty Type (GS1 Temporary Code) |
| X35 | Warranty Constraint (GS1 Temporary Code) |
| X36 | Seasonal Availability End Date (GS1 Temporary Code) |
|  | Indicates the end date of the trade item's seasonal availability. |
| X37 | Seasonal Availability Start Date (GS1 Temporary Code) |
|  | Indicates the start date of the trade item's seasonal availability. |
| X38 | Season Calendar Year (GS1 Temporary Code) |
|  | This element indicates the calendar year in which the trade item is seasonally available. |
| X39 | Season Parameter (GS1 Temporary Code) |
|  | Indication of the season, in which the trade item is available. |
| X40 | Trade Item Automatic Power Down is Enabled (GS1 Temporary Code) |
|  | An indicator whether a product is enabled with auto power down feature when shipped to the customer. |
| X41 | Electrical Usage Agency Code (GS1 Temporary Code) |
|  | The agency that regulates electrical usage for products within a target market. |
| X42 | Nesting Type (GS1 Temporary Code) |
|  | Depicts whether a nested item fits inside or over the other item in a nesting relationship. |
| X43 | Display Dimension Type Code (GS1 Temporary Code) |
|  | Depicts certain display scenarios used for measurement. |
| X44 | Manufacturer Has Take Back Program (GS1 Temporary Code) |
|  | Indicates if the manufacturer of the trade item offers any take back programs to consumers for the product to be reused, remanufactured or recycled by the manufacturer. |
| X45 | Display Resolution (GS1 Temporary Code) |
|  | The display resolution of a television or computer display. |
| X46 | Orientation Preference Sequence (GS1 Temporary Code) |
|  | Depicts the preferred sequence of orientation used to communicate the manufacturers relative preferences of orientation. |
| X47 | Orientation Type (GS1 Temporary Code) |
|  | Depicts via code a display orientation for a trade item. |

## Used Codes

| X48 | Electrical Usage Trade Item Classification Code (GS1 Temporary Code) <br> A classification code value from a product classification scheme provided to drive required information for electrical usage. |
| :---: | :---: |
| X49 | Electrical Usage Trade Item Classification Name (GS1 Temporary Code) <br> A classification name from a product classification scheme provided to drive required information for electrical usage. |
| X50 | Electrical Usage SubClassification Code (GS1 Temporary Code) <br> A sub-classification code value from a product classification scheme provided to drive required information for electrical usage. |
| X51 | Electrical Usage SubClassification Name (GS1 Temporary Code) <br> A sub-classification name provided to drive required information for electrical usage. |
| X52 | Confirmation Status Code (GS1 Temporary Code) <br> The CIC Confirmation Code must be of a type of code number that can be generated automatically by a computer system. |
| X53 | Confirmation Status Code Description (GS1 Temporary Code) <br> Provides the code description that matches up with the Code that can possibly be generated automatically by a computer system. |
| X54 | Additional Confirmation Status Description (GS1 Temporary Code) <br> Provides a way to communicate human entered information that may not be covered by the machine to machine codes and descriptions. |
| X55 | Corrective Action (GS1 Temporary Code) <br> Provides the corrective action code to fix the issue that caused the problem. |
| X56 | Expected Corrective Information (GS1 Temporary Code) <br> Provides the expected corrective information via a human entered information that may not be covered by the machine to machine codes. |
| X57 | Electrical Usage Trade Item Classification Agency (GS1 Temporary Code) <br> A classification agency or organisation whose product classification scheme is being provided to drive required information for electrical usage. |
| X58 | ASFIS (GS1 Permanent Code) <br> FAO alpah-3 code list for fish species identification, commercial name \& scientific name. |
| X59 | FAO fishing areas (GS1 Permanent Code) FAO fishing areas codelist. |
| X60 | FAO Fishing gear type (GS1 Permanent Code) FAO Fishing gear type codelist. |
| X61 | EU fish quality (GS1 Permanent Code) <br> EU fish quality grade code list ( $\mathrm{E}, \mathrm{A}, \mathrm{B}, \mathrm{C}$ ). |
| X62 | EU fish size (GS1 Permanent Code) <br> EU fish standardized size code list (1, 2, 3, 4, 5 \& One_Size). |

## Used Codes

| X63 | EU fish presentation (GS1 Permanent Code) <br> EU fish presentation code list (3 or 5 char alpha code). |
| :---: | :---: |
| ZZZ | Mutually defined <br> Self explanatory. <br> Notes: <br> This code value will be removed effective with directory D.04A. |
| 1153 | Reference code qualifier Code qualifying a reference. |
| AAK | Despatch advice number <br> Reference number assigned by issuing party to a despatch advice. |
| AAN | Delivery schedule number <br> Reference number assigned by buyer to a delivery schedule. |
| AAQ | Unit load device (e.g. container) identification number [8260] Marks (letters and/or numbers) which identify a unit load device e.g. freight container. |
| AAS | Transport document number [1188] Reference assigned by the carrier or his agent to the transport document. |
| ALL | Message batch number <br> A number identifying a batch of messages. |
| BO | Blanket order number <br> Reference number assigned by the order issuer to a blanket order. |
| DQ | Delivery note number <br> Reference number assigned by the issuer to a delivery note. |
| GN | Government reference number <br> A number that identifies a government reference. <br> GS1 Description: <br> This code value should not be used to provide the tax identification number for a party (use code VA). |
| IV | Invoice number <br> [1334] Reference number assigned by the seller to a Commercial Invoice. |
| LI | Line item reference number (1156) Reference number identifying a particular line in a document. |
| ON | Order number (buyer) <br> [1022] Reference number assigned by the buyer to an order. |
| UC | Ultimate customer's reference number <br> The originator's reference number as forwarded in a sequence of parties involved. |

## Used Codes

| VN | Order number (supplier) |
| :---: | :---: |
|  | Reference number assigned by supplier to a buyer's purchase order. |
| XA | Company/place registration number |
|  | Company registration and place as legally required. |
| XC1 | Product certification number (GS1 Temporary Code) |
|  | Number assigned by a governing body (or their agents) to a product which certifies compliance with a standard. <br> GS1 Note: Code marked for deletion. Use value AXO instead. |
| YC1 | Additional party identification (GS1 Temporary Code) |
|  | Reference number to an additional party identification. This number may be the internal trading partner identification number used by a party to identify its trading parties. |
| EID | Economic operator identifier (EO-ID) |
| FID | Facility identifier (F-ID) |
| TAU | Aggregated level unique identifier (aUI) |
| TUU | Aggregated level unique identifier (upUI) |
| 1225 | Message function code |
|  | Code indicating the function of the message. |
| 9 | Original |
|  | Initial transmission related to a given transaction. |
| 2005 | Date or time or period function code qualifier |
|  | Code qualifying the function of a date, time or period. |
| 2 | Delivery date/time, requested |
|  | Date on which buyer requests goods to be delivered. |
| 11 | Despatch date and/or time |
|  | (2170) Date/time on which the goods are or are expected to be despatched or shipped. |
| 17 | Delivery date/time, estimated |
|  | Date and/or time when the shipper of the goods expects delivery will take place. |
| 36 | Expiry date |
|  | Date of expiry of the validity of a referenced document, price information or any other referenced data element with a limited validity period. |
| 137 | Document/message date/time |
|  | (2006) Date/time when a document/message is issued. This may include authentication. |
| 200 | Pick-up/collection date/time of cargo |
|  | Date/time at which the cargo is picked up. |

## Used Codes

| 361 | Best before date The best before date. |
| :---: | :---: |
| 2379 | Date or time or period format code <br> Code specifying the representation of a date, time or period. |
| 2 | DDMMYY <br> Calendar date: $\mathrm{D}=$ Day; $\mathrm{M}=$ Month; $\mathrm{Y}=$ Year. |
| 101 | YYMMDD <br> Calendar date: $\mathrm{Y}=$ Year; $\mathrm{M}=$ Month; $\mathrm{D}=$ Day. |
| 102 | CCYYMMDD <br> Calendar date: $\mathrm{C}=$ Century ; $\mathrm{Y}=$ Year ; $\mathrm{M}=$ Month ; $\mathrm{D}=$ Day. |
| 104 | MMWW-MMWW <br> A period of time specified by giving the start week of a month followed by the end week of a month. Data is to be transmitted as consecutive characters without hyphen. |
| 107 | DDD <br> Day's number within a specific year: $D=$ Day. |
| 108 | ww <br> Week's number within a specific year: $\mathrm{W}=$ Week. |
| 109 | MM <br> Month's number within a specific year: $M=$ Month. |
| 110 | DD <br> Day's number within is a specific month. |
| 201 | YYMMDDHHMM <br> Calendar date including time without seconds: $Y=$ Year; $M=$ Month; $D=$ Day; H = Hour; M = Minute. |
| 203 | CCYYMMDDHHMM <br> Calendar date including time with minutes: $\mathrm{C}=$ Century; $\mathrm{Y}=\mathrm{Year} ; \mathrm{M}=$ Month; D=Day; $\mathrm{H}=$ Hour; $\mathrm{M}=$ Minutes. |
| 204 | CCYYMMDDHHMMSS <br> Calendar date including time with seconds: $C=$ Century; $Y=Y$ ear; $M=$ Month; D=Day; $\mathrm{H}=$ Hour; $\mathrm{M}=$ Minute; $\mathrm{S}=$ Second. |
| 401 | HHMM <br> Time without seconds: $\mathrm{H}=$ Hour; $\mathrm{m}=$ Minute. |
| 501 | HHMMHHMM <br> Time span without seconds: H = Hour; m = Minute; |
| 502 | HHMMSS-HHMMSS <br> Format of period to be given without hyphen. |

## Used Codes

| 602 | CCYY |
| :---: | :---: |
|  | Calendar year including century: $\mathrm{C}=$ Century; $\mathrm{Y}=$ Year. |
| 609 | YYMM |
|  | Month within a calendar year: $Y=$ Year; $M=$ Month. |
| 610 | CCYYMM |
|  | Month within a calendar year: CC = Century; $\mathrm{Y}=$ Year; $\mathrm{M}=$ Month. |
| 615 | YYWW |
|  | Week within a calendar year: Y = Year; $W=$ Week 1st week of January $=$ week 01. |
| 616 | CCYYWW |
|  | Week within a calendar year: CC = Century; Y = Year; W = Week (1st week of January = week 01). |
| 713 | YYMMDDHHMM-YYMMDDHHMM |
|  | Format of period to be given in actual message without hyphen. |
| 715 | YYWW-YYWW |
|  | A period of time specified by giving the start week of a year followed by the end week of year (both not including century). Data is to be transmitted as consecutive characters without hyphen. |
| 717 | YYMMDD-YYMMDD |
|  | Format of period to be given in actual message without hyphen. |
| 718 | CCYYMMDD-CCYYMMDD |
|  | Format of period to be given without hyphen. |
| 719 | CCYYMMDDHHMM-CCYYMMDDHHMM |
|  | A period of time which includes the century, year, month, day, hour and minute. Format of period to be given in actual message without hyphen. |
| 720 | DHHMM-DHHMM |
|  | Format of period to be given without hyphen ( $D=$ day of the week, $1=$ Monday; 2=Tuesday; ... 7=Sunday). |
| 801 | Year |
|  | To indicate a quantity of years. |
| 802 | Month |
|  | To indicate a quantity of months. |
| 803 | Week |
|  | To indicate a quantity of weeks. |
| 804 | Day |
|  | To indicate a quantity of days. |
| 805 | Hour |
|  | To indicate a quantity of hours. |

## Used Codes

| Minute |
| :--- | :--- |
| To indicate a quantity of minutes. |
| Trimester |
| To indicate a quantity of trimesters (three months). |
| Half month |
| To indicate a quantity of half months. |

## Used Codes

| UD | Ultimate customer |
| :---: | :---: |
|  | The final recipient of goods. |
| 3055 | Code list responsible agency code |
|  | Code specifying the agency responsible for a code list. |
| 2 | CEC (Commission of the European Communities) |
|  | Generic: see also 140, 141, 142, 162. |
|  | GS1 Description: <br> Commission of the European Communities |
| 3 | IATA (International Air Transport Association) |
|  | The airline industry's international organisation. |
|  | GS1 Description: <br> International Air Transport Association |
| 5 | ISO (International Organization for Standardization) |
|  | International Organization of Standardization. |
| 6 | UN/ECE (United Nations - Economic Commission for Europe) |
|  | United Nations Economic Commission for Europe. |
| 7 | CEFIC (Conseil Europeen des Federations de l'Industrie Chimique) |
|  | EDI project for chemical industry. |
| 8 | EDIFICE |
|  | Standardised electronic commerce forum for companies with interests in computing, electronics and telecommunications. |
|  | GS1 Description: <br> EDI Forum for companies with Interest in Computing and Electronics (EDI project for EDP/ADP sector). |
| 9 | GS1 |
|  | GS1 (formerly EAN International), an organisation of GS1 Member Organisations, which manages the GS1 System. |
|  | GS1 Description: <br> GS1 International. |
| 10 | ODETTE |
|  | Organization for Data Exchange through Tele-Transmission in Europe (European automotive industry project). |
| 17 | S.W.I.F.T. |
|  | Society for Worldwide Interbank Financial Telecommunications s.c. |
| 28 | EDITEUR (European book sector electronic data interchange group) |
|  | Code identifying the pan European user group for the book industry as an organisation responsible for code values in the book industry. |
| 60 | Assigned by national trade agency |
|  | The code list is from a national agency. |

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## Used Codes

| 65 | GS1 France |
| :---: | :---: |
|  | Organisation responsible for GS1 System in France. |
| 68 | GS1 Italy |
|  | Organisation responsible for GS1 System in Italy. |
| 83 | US, National Retail Federation |
|  | The National Retail Federation is the trade association for the general merchandise retailing industry. In addition to providing support and education services, they also maintain and publish standard colour and size codes for the retail industry. |
| 84 | DE, BRD (Gesetzgeber der Bundesrepublik Deutschland) |
|  | German legislature. |
| 86 | Assigned by party originating the message |
|  | Codes assigned by the party originating the message. |
| 87 | Assigned by carrier |
|  | Codes assigned by the carrier. |
| 88 | Assigned by owner of operation |
|  | Assigned by owner of operation (e.g. used in construction). |
| 89 | Assigned by distributor |
|  | Codes assigned by a distributor. |
| 90 | Assigned by manufacturer |
|  | Code assigned by the manufacturer. |
| 91 | Assigned by supplier or supplier's agent |
|  | Codes assigned by a seller or seller's agent. |
|  | GS1 Description: <br> Code assigned by the supplier or supplier's agent. |
| 92 | Assigned by buyer or buyer's agent |
|  | Codes assigned by a buyer or buyer's agent. |
| 112 | US, U.S. Census Bureau |
|  | The Bureau of the Census of the U.S. Dept. of Commerce. |
| 113 | GS1 US |
|  | Organisation responsible for GS1 System in the USA. |
| 116 | US, ANSI ASC X12 |
|  | American National Standards Institute ASC X12. |
| 131 | DE, German Bankers Association |
|  | German Bankers' Association. |
| 136 | GS1 UK |
|  | Organisation responsible for GS1 System in the UK. |

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## Used Codes

| 137 | AT, Verband oesterreichischer Banken und Bankiers Austrian bankers association. |
| :---: | :---: |
| 174 | DE, DIN (Deutsches Institut fuer Normung) German standardization institute. |
| 182 | US, Standard Carrier Alpha Code (Motor) <br> Organisation maintaining the SCAC lists and transportation operating in North America. |
| 194 | AU, AQIS (Australian Quarantine and Inspection Service) Australian Quarantine and Inspection Service. |
| 200 | GS1 Netherlands <br> Organisation responsible for GS1 System in the Netherlands. |
| 245 | GS1 Denmark Organisation responsible for GS1 System in Denmark. |
| 246 | GS1 Germany <br> Organisation responsible for GS1 System in Germany. <br> GS1 Description: <br> German representative of International Article Numbering association (GS1). |
| 260 | Ediel Nordic forum <br> A code to identify Ediel Nordic forum, which is an organization standardizing the use of EDI between the participants in the Nordic power market. |
| 281 | GS1 Belgium \& Luxembourg Organisation responsible for GS1 System in Belgium \& Luxembourg. |
| 286 | SE, TCO (Tjänstemännes Central Organisation) <br> The Swedish Confederation of Professional Employees. |
| 294 | GS1 Austria Organisation responsible for the GS1 System in Austria. |
| 295 | AU, Therapeutic Goods Administration <br> Austrialian administration responsible for the regulation of therapeutic goods in Australia. <br> EDIFACT |
| 297 | IT, Ufficio IVA <br> Ufficio responsabile gestione partite IVA, Italy (Italian Institute issuing VAT registration numbers). <br> EDIFACT |
| 298 | GS1 Spain <br> Organisation responsible for the GS1 System in Spain. |
| 316 | GS1 Finland Organisation responsible for the GS1 system in Finland. |

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## Used Codes

| 317 | GS1 Brazil Organisation responsible for the GS1 system in Brazil. |
| :---: | :---: |
| 324 | GS1 Ireland Organisation responsible for the GS1 system in Ireland. |
| 325 | GS1 Russia Organisation responsible for the GS1 system in Russia. |
| 326 | GS1 Poland Organisation responsible for the GS1 system in Poland. |
| 327 | GS1 Estonia Organisation responsible for the GS1 system in Estonia. |
| 376 | PANTONE <br> Color code controlling organisation |
| 400 | FAO (Food and Agriculture Organisation) <br> Food and Agriculture Organisation of the United Nations. |
| 403 | Comite Europeen de Normalisation <br> Comite Européen de Normalisation (CEN), European committee for standardisation. |
| 404 | Assigned by logistics service provider Codes assigned by a logistics service provider. |
| CEN | Comite European de Normalisation (GS1 Temporary Code) Comite European de Normalisation. <br> GS1 Note: Code marked for deletion. Use value 403 instead. |
| PMS | Pantone Matching System (GS1 Temporary Code) Pantone Matching System. |
| RAL | DE, Deutsches Institut fuer Guetesicherung und Kennzeichnung (GS1 Temporary Code) |
| X5 | IT, Ufficio IVA (GS1 Temporary Code) <br> Ufficio responsabile gestione partite IVA, Italy (Italian Institute issuing VAT registration numbers). |
| X6 | Assigned by logistics service provider (GS1 Temporary Code) Codes assigned by the logistics service provider. GS1 Note: Code marked for deletion. Use value 404 instead. |
| zzz | Mutually defined <br> A code assigned within a code list to be used on an interim basis and as defined among trading partners until a precise code can be assigned to the code list. |
| 3139 | Contact function code <br> Code specifying the function of a contact (e.g. department or person). |

## Used Codes

Ansurance contact
Department/person to contact for matters regarding insurance.

## Used Codes

| CR | Customer relations |
| :---: | :---: |
|  | Individual responsible for customer relations. |
| DE | Department/employee to execute export procedures |
|  | Department/employee which/who executes export procedures. |
| DI | Department/employee to execute import procedures |
|  | Department/employee which/who executes import procedures. |
| DL | Delivery contact |
|  | Department/person responsible for delivery. |
| ED | Engineering contact |
|  | Department/person to contact for matters regarding engineering. |
| GR | Goods receiving contact |
|  | Department/person responsible for receiving the goods at the place of delivery. |
| HE | Emergency dangerous goods contact |
|  | Party who is to be contacted to intervene in case of emergency. |
| HG | Dangerous goods contact |
|  | Department/person to be contacted for details about the transportation of dangerous goods/hazardous material. |
| IC | Information contact |
|  | Department/person to contact for questions regarding transactions. |
| LO | Place of collection contact |
|  | Department/employee to be contacted at the place of collection. |
| MGR | Manager (GS1 Temporary Code) |
|  | Person responsible for management within a department or company. |
| NT | Notification contact |
|  | Department/employee to be notified. |
| OC | Order contact |
|  | An individual to contact for questions regarding this order. |
| PD | Purchasing contact |
|  | Department/person responsible for issuing this purchase order. |
| PM | Product management contact |
|  | Department/person to contact for questions regarding this order. |
| QC | Quality coordinator contact |
|  | Quality coordinator contact within an organization. |
| SA | Sales administration |
|  | Name of the sales administration contact within a corporation. |
| SD | Shipping contact |
|  | The shipping department contact within an organization. |

## Used Codes

| SR | Sales representative or department |
| :---: | :---: |
|  | The sales representative or department contact within an organization. |
| TA | Traffic administrator |
|  | The traffic administrator contact within an organization. |
| TD | Test contact |
|  | Department/person responsible for testing contact. |
| TR | Transport contact |
|  | Department/person in charge of transportation. |
| WH | Warehouse |
|  | The warehouse contact within an organization. |
| 3155 | Communication address code qualifier |
|  | Code qualifying the communication address. |
| AL | Cellular phone |
|  | Identifies the cellular phone number. |
| AO | Uniform Resource Location (URL) |
|  | Identification of the Uniform Resource Location (URL) |
|  | Synonym: World wide web address. |
| AQ | X. 400 address for mail text |
|  | The X. 400 address accepting information in the body text of a message. |
| AR | AS1 address |
|  | Address capable of receiving messages in accordance with the EDIINT/AS1 protocol for MIME based EDI . |
| AS | AS2 address |
|  | Address capable of receiving messages in accordance with the EDIINT/AS2 protocol. |
| AT | AS3 address |
|  | Address capable of receiving messages in accordance with the EDIINT/AS3 protocol. |
| AU | File Transfer Protocol |
|  | Address capable for receiving message in accordance with the File Transfer Protocol (IETF RFC 959 et. al.). |
| CA | Cable address |
|  | The communication number identifies a cable address. |
| EI | EDI |
|  | Number identifying the service and service user. |

## Used Codes

| EM | Electronic mail |
| :---: | :---: |
|  | Exchange of mail by electronic means. <br> GS1 Description: <br> Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media. |
| EXI | Exite mail (GS1 Temporary Code) |
|  | Requests that the file shall be returned via Exite. GS1 Note: Code marked for deletion. |
| FX | Fax |
|  | Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media. |
| IA | Interchange address (GS1 Temporary Code) |
|  | Code identifying an EDI interchange address. |
| TE | Telephone |
|  | Voice/data transmission by telephone. |
| TL | Telex |
|  | Transmission of text/data via telex. |
| XF | X. 400 |
|  | The X. 400 address. |
|  | GS1 Description: <br> CCITT Message handling system. |
| XG | Pager |
|  | Identifies that the communication number is for a pager. |
| 3207 | Country name code |
|  | \| Identification of the name of the country or other geographical entity as defined in ISO 3166-1. |
|  | Notes: <br> \| 1. Use ISO 3166-1 two alpha country code. |
| AD | ANDORRA |
| AE | UNITED ARAB EMIRATES |
| AF | AFGHANISTAN |
| AG | ANTIGUA AND BARBUDA |
| AI | ANGUILLA |
| AL | ALBANIA |
| AM | ARMENIA |
| AO | ANGOLA |

## Used Codes

ANAR

## Used Codes

COM

## Used Codes

| FR | FRANCE |
| :---: | :---: |
| GA | GABON |
| GB | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND |
| GD | GRENADA |
| GE | GEORGIA |
| GF | FRENCH GUIANA |
| GG | GUERNSEY |
| GH | GHANA |
| GI | GIBRALTAR |
| GL | GREENLAND |
| GM | GAMBIA |
| GN | GUINEA |
| GP | GUADELOUPE |
| GQ | EQUATORIAL GUINEA |
| GR | GREECE |
| GS | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS |
| GT | GUATEMALA |
| GU | GUAM |
| GW | GUINEA-BISSAU |
| GY | GUYANA |
| HK | HONG KONG |
| HM | HEARD ISLAND AND MCDONALD ISLANDS |
| HN | HONDURAS |
| HR | CROATIA |
| HT | HAITI |
| HU | HUNGARY |
| ID | INDONESIA |
| IE | IRELAND |
| IL | ISRAEL |
| IM | ISLE OF MAN |
| IN | INDIA |
| IO | BRITISH INDIAN OCEAN TERRITORY |
| IQ | IRAQ |

## Used Codes

| IR | IRAN (ISLAMIC REPUBLIC OF) |
| :---: | :---: |
| IS | ICELAND |
| IT | ITALY |
| JE | JERSEY |
| JM | JAMAICA |
| JO | Jordan |
| JP | JAPAN |
| KE | KENYA |
| KG | KYRGYZSTAN |
| KH | CAMBODIA |
| KI | KIRIBATI |
| KM | COMOROS |
| KN | SAINT KITTS AND NEVIS |
| KP | KOREA (DEMOCRATIC PEOPLE'S REPUBLIC OF) |
| KR | KOREA, REPUBLIC OF |
| KW | KUWAIT |
| KY | CAYMAN ISLANDS |
| KZ | KAZAKHSTAN |
| LA | LAO PEOPLE'S DEMOCRATIC REPUBLIC |
| LB | LEBANON |
| LC | SAINT LUCIA |
| LI | LIECHTENSTEIN |
| LK | SRI LANKA |
| LR | LIBERIA |
| LS | LESOTHO |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| LV | LATVIA |
| LY | LIBYA |
| MA | MOROCCO |
| MC | MONACO |
| MD | MOLDOVA, REPUBLIC OF |
| ME | MONTENEGRO |

## Used Codes

| MF | SAINT MARTIN (FRENCH PART) |
| :---: | :---: |
| MG | MADAGASCAR |
| MH | MARSHALL ISLANDS |
| MK | NORTH MACEDONIA |
| ML | MALI |
| MM | MYANMAR |
| MN | MONGOLIA |
| MO | MACAO |
| MP | NORTHERN MARIANA ISLANDS |
| MQ | MARTINIQUE |
| MR | MAURITANIA |
| MS | MONTSERRAT |
| MT | MALTA |
| MU | MAURITIUS |
| MV | MALDIVES |
| MW | MALAWI |
| MX | MEXICO |
| MY | MALAYSIA |
| MZ | mozambique |
| NA | NAMIBIA |
| NC | NEW CALEDONIA |
| NE | NIGER |
| NF | NORFOLK ISLAND |
| NG | NIGERIA |
| NI | NICARAGUA |
| NL | NETHERLANDS |
| NO | NORWAY |
| NP | NEPAL |
| NR | NAURU |
| NU | NIUE |
| NZ | NEW ZEALAND |
| OM | OMAN |
| PA | PANAMA |

## Used Codes

| PE | PERU |
| :---: | :---: |
| PF | FRENCH POLYNESIA |
| PG | PAPUA NEW GUINEA |
| PH | PHILIPPINES |
| PK | PAKISTAN |
| PL | POLAND |
| PM | SAINT PIERRE AND MIQUELON |
| PN | PITCAIRN |
| PR | PUERTO RICO |
| PS | PALESTINE, STATE OF |
| PT | PORTUGAL |
| PW | PALAU |
| PY | PARAGUAY |
| QA | QATAR |
| RE | REUNION |
| RO | ROMANIA |
| RS | SERBIA |
| RU | RUSSIAN FEDERATION |
| RW | RWANDA |
| SA | SAUDI ARABIA |
| SB | SOLOMON ISLANDS |
| SC | SEYCHELLES |
| SD | SUDAN |
| SE | SWEDEN |
| SG | SINGAPORE |
| SH | SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA |
| SI | SLOVENIA |
| SJ | SVALBARD AND JAN MAYEN |
| SK | SLOVAKIA |
| SL | SIERRA LEONE |
| SM | SAN MARINO |
| SN | SENEGAL |
| So | SOMALIA |

## Used Codes

| SR | SURINAME |
| :---: | :---: |
| SS | SOUTH SUDAN |
| ST | SAO TOME AND PRINCIPE |
| SV | EL SALVADOR |
| SX | SINT MAARTEN (DUTCH PART) |
| SY | SYRIAN ARAB REPUBLIC |
| SZ | ESWATINI |
| TC | TURKS AND CAICOS ISLANDS |
| TD | CHAD |
| TF | FRENCH SOUTHERN TERRITORIES |
| TG | TOGO |
| TH | THAILAND |
| TJ | TAJIKISTAN |
| TK | TOKELAU |
| TL | TIMOR-LESTE |
| TM | TURKMENISTAN |
| TN | TUNISIA |
| TO | TONGA |
| TR | TURKEY |
| TT | TRINIDAD AND TOBAGO |
| TV | TUVALU |
| TW | TAIWAN, PROVINCE OF CHINA |
| TZ | TANZANIA, UNITED REPUBLIC OF |
| UA | UKRAINE |
| UG | UGANDA |
| UM | UNITED STATES MINOR OUTLYING ISLANDS |
| US | UNITED STATES OF AMERICA |
| UY | URUGUAY |
| UZ | UZBEKISTAN |
| VA | holy See |
| VC | SAINT VINCENT AND THE GRENADINES |
| VE | VENEZUELA (BOLIVARIAN REPUBLIC OF) |
| VG | VIRGIN ISLANDS, BRITISH |

## Used Codes

| VI | VIRGIN ISLANDS, U.S. |
| :---: | :---: |
| VN | VIET NAM |
| VU | VANUATU |
| WF | WALLIS AND FUTUNA |
| WS | SAMOA |
| YE | YEMEN |
| YT | MAYOTTE |
| ZA | SOUTH AFRICA |
| ZM | ZAMBIA |
| zW | ZIMBABWE |
| 3453 | Language name code |
|  | Code specifying the language name. |
|  | Notes: <br> 1. Use ISO 639-1988. |
| AA | Afar |
| aa | Afar |
| AB | Abkhazian |
| ab | Abkhazian |
| AE | Avestan |
| ae | Avestan |
| AF | Afrikaans |
| af | Afrikaans |
| AK | Akan |
| ak | Akan |
| AM | Amharic |
| am | Amharic |
| AN | Aragonese |
| an | Aragonese |
| AR | Arabic |
| ar | Arabic |
| AS | Assamese |
| as | Assamese |
| AV | Avaric |

## Used Codes

| av | Avaric |
| :---: | :---: |
| AY | Aymara |
| ay | Aymara |
| AZ | Azerbaijani |
| az | Azerbaijani |
| BA | Bashkir |
| ba | Bashkir |
| BE | Belarusian |
| be | Belarusian |
| BG | Bulgarian |
| bg | Bulgarian |
| BH | Bihari |
| bh | Bihari |
| BI | Bislama |
| bi | Bislama |
| BM | Bambara |
| bm | Bambara |
| BN | Bengali |
| bn | Bengali |
| BO | Tibetan |
| bo | Tibetan |
| BR | Breton |
| br | Breton |
| BS | Bosnian |
| bs | Bosnian |
| CA | Catalan; Valencian |
| ca | Catalan; Valencian |
| CE | Chechen |
| ce | Chechen |
| CH | Chamorro |
| ch | Chamorro |
| CO | Corsican |
| co | Corsican |

## Used Codes

| CR | Cree |
| :---: | :---: |
| Cr | Cree |
| CS | Czech |
| cs | Czech |
| CU | Church Slavic; Old Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic |
| cu | Church Slavic; Old Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic |
| CV | Chuvash |
| cV | Chuvash |
| CY | Welsh |
| cy | Welsh |
| DA | Danish |
| da | Danish |
| DE | German |
| de | German |
| DV | Divehi; Dhivehi; Maldivian |
| dv | Divehi; Dhivehi; Maldivian |
| DZ | Dzongkha |
| dz | Dzongkha |
| EE | Ewe |
| ee | Ewe |
| EL | Greek; Modern (1453-) |
| el | Greek; Modern (1453-) |
| EN | English |
| en | English |
| EO | Esperanto |
| eo | Esperanto |
| ES | Spanish; Castilian |
| es | Spanish; Castilian |
| ET | Estonian |
| et | Estonian |
| EU | Basque |
| eu | Basque |

## Used Codes

| FA | Persian |
| :---: | :---: |
| fa | Persian |
| FF | Fulah |
| ff | Fulah |
| FI | Finnish |
| fi | Finnish |
| FJ | Fijian |
| fj | Fijian |
| FO | Faroese |
| fo | Faroese |
| FR | French |
| $f r$ | French |
| FY | Western Frisian |
| fy | Western Frisian |
| GA | Irish |
| ga | Irish |
| GD | Gaelic; Scottish Gaelic |
| gd | Gaelic; Scottish Gaelic |
| GL | Galician |
| gl | Galician |
| GN | Guarani |
| gn | Guarani |
| GU | Gujarati |
| gu | Gujarati |
| GV | Manx |
| gv | Manx |
| HA | Hausa |
| ha | Hausa |
| HE | Hebrew |
| he | Hebrew |
| HI | Hindi |
| hi | Hindi |
| HO | Hiri Motu |

## Used Codes

| ho | Hiri Motu |
| :---: | :---: |
| HR | Croatian |
| hr | Croatian |
| HT | Haitian; Haitian Creole |
| ht | Haitian; Haitian Creole |
| HU | Hungarian |
| hu | Hungarian |
| HY | Armenian |
| hy | Armenian |
| HZ | Herero |
| hz | Herero |
| IA | Interlingua (International Auxiliary Language Association) |
| ia | Interlingua (International Auxiliary Language Association) |
| ID | Indonesian |
| id | Indonesian |
| IE | Interlingue |
| ie | Interlingue |
| IG | Igbo |
| ig | Igbo |
| II | Sichuan Yi |
| ii | Sichuan Yi |
| IK | Inupiaq |
| ik | Inupiaq |
| IO | Ido |
| io | Ido |
| IS | Icelandic |
| is | Icelandic |
| IT | Italian |
| it | Italian |
| IU | Inuktiut |
| iu | Inuktiut |
| JA | Japanese |
| ja | Japanese |

## Used Codes

| JV | Javanese |
| :---: | :---: |
| jv | Javanese |
| KA | Georgian |
| ka | Georgian |
| KG | Kongo |
| kg | Kongo |
| KI | Kikuyu; Gikuyu |
| ki | Kikuyu; Gikuyu |
| KJ | Kuanyama; Kwanyama |
| kj | Kuanyama; Kwanyama |
| KK | Kazakh |
| kk | Kazakh |
| KL | Kalaallisut; Greenlandic |
| kl | Kalaallisut; Greenlandic |
| KM | Central Khmer |
| km | Central Khmer |
| KN | Kannada |
| kn | Kannada |
| KO | Korean |
| ko | Korean |
| KR | Kanuri |
| kr | Kanuri |
| KS | Kashmiri |
| ks | Kashmiri |
| KU | Kurdish |
| ku | Kurdish |
| KV | Komi |
| kv | Komi |
| KW | Cornish |
| kw | Cornish |
| KY | Kirghiz; Kyrgyz |
| ky | Kirghiz; Kyrgyz |
| LA | Latin |

## Used Codes

| 1 a | Latin |
| :---: | :---: |
| LB | Luxembourgish; Letzeburgesch |
| lb | Luxembourgish; Letzeburgesch |
| LG | Ganda |
| lg | Ganda |
| LI | Limburgan; Limburger; Limburgish |
| li | Limburgan; Limburger; Limburgish |
| LN | Lingala |
| In | Lingala |
| LO | Lao |
| 10 | Lao |
| LT | Lithuanian |
| It | Lithuanian |
| LU | Luba-Katanga |
| lu | Luba-Katanga |
| LV | Latvian |
| Iv | Latvian |
| MG | Malagasy |
| mg | Malagasy |
| MH | Marshallese |
| mh | Marshallese |
| MI | Maori |
| mi | Maori |
| MK | Macedonian |
| mk | Macedonian |
| ML | Malayalam |
| ml | Malayalam |
| MN | Mongolian |
| mn | Mongolian |
| MO | Moldavian; Moldovan |
| mo | Moldavian; Moldovan |
| MR | Marathi |
| mr | Marathi |

## Used Codes

| MS | Malay |
| :---: | :---: |
| ms | Malay |
| MT | Maltese |
| mt | Maltese |
| MY | Burmese |
| my | Burmese |
| NA | Nauru |
| na | Nauru |
| NB | Bokmal Norwegian; Norwegian Bokmal |
| nb | Bokmal Norwegian; Norwegian Bokmal |
| ND | Ndebele; North; North Ndebele |
| nd | Ndebele; North; North Ndebele |
| NE | Nepali |
| ne | Nepali |
| NG | Ndonga |
| ng | Ndonga |
| NL | Dutch; Flemish |
| nl | Dutch; Flemish |
| NN | Norwegian Nynorsk; Nynorsk, Norwegian |
| nn | Norwegian Nynorsk; Nynorsk, Norwegian |
| NO | Norwegian |
| no | Norwegian |
| NR | Ndebele; South; South Ndebele |
| nr | Ndebele; South; South Ndebele |
| NV | Navajo; Navaho |
| nv | Navajo; Navaho |
| NY | Chichewa; Chewa; Nyanja |
| ny | Chichewa; Chewa; Nyanja |
| OC | Occitan (post 1500); Provencal |
| oc | Occitan (post 1500); Provencal |
| OJ | Ojibwa |
| ${ }^{\circ} \mathrm{j}$ | Ojibwa |
| OM | Oromo |

## Used Codes

| om | Oromo |
| :---: | :---: |
| OR | Oriya |
| or | Oriya |
| OS | Ossetian; Ossetic |
| os | Ossetian; Ossetic |
| PA | Panjabi; Punjabi |
| pa | Panjabi; Punjabi |
| PI | Pali |
| pi | Pali |
| PL | Polish |
| pl | Polish |
| PS | Pushto; Pashto |
| ps | Pushto; Pashto |
| PT | Portuguese |
| pt | Portuguese |
| QU | Quechua |
| qu | Quechua |
| RM | Romansh |
| rm | Romansh |
| RN | Rundi |
| rn | Rundi |
| RO | Romanian |
| ro | Romanian |
| RU | Russian |
| ru | Russian |
| RW | Kinyarwanda |
| rw | Kinyarwanda |
| SA | Sanskrit |
| sa | Sanskrit |
| SC | Sardinian |
| Sc | Sardinian |
| SD | Sindhi |
| sd | Sindhi |

## Used Codes

| SE | Northern Sami |
| :---: | :---: |
| se | Northern Sami |
| SG | Sango |
| sg | Sango |
| SI | Sinhala; Sinhalese |
| si | Sinhala; Sinhalese |
| SK | Slovak |
| sk | Slovak |
| SL | Slovenian |
| sl | Slovenian |
| SM | Samoan |
| sm | Samoan |
| SN | Shona |
| sn | Shona |
| So | Somali |
| so | Somali |
| SQ | Albanian |
| sq | Albanian |
| SR | Serbian |
| Sr | Serbian |
| SS | Swati |
| ss | Swati |
| ST | Sotho, Southern |
| st | Sotho, Southern |
| SU | Sundanese |
| su | Sundanese |
| SV | Swedish |
| sv | Swedish |
| SW | Swahili |
| sw | Swahili |
| TA | Tamil |
| ta | Tamil |
| TE | Telugu |

## Used Codes

Ta

## Used Codes

| VE | Venda |
| :---: | :---: |
| ve | Venda |
| VI | Vietnamese |
| vi | Vietnamese |
| vo | Volapük |
| vo | Volapük |
| WA | Walloon |
| wa | Walloon |
| wo | Wolof |
| wo | Wolof |
| XH | Xhosa |
| xh | Xhosa |
| YI | Yiddish |
| yi | Yiddish |
| Yo | Yoruba |
| yo | Yoruba |
| ZA | Zhuang; Chuang |
| za | Zhuang; Chuang |
| ZH | Chinese |
| zh | Chinese |
| zU | Zulu |
| zu | Zulu |
| 4221 | Discrepancy nature identification code |
|  | Code specifying the identification used to define the nature of a discrepancy. |
| AA | Item discontinued by wholesaler |
|  | The wholesaler no longer offers the ordered product. |
| AB | Item no longer produced |
|  | The item ordered has been discontinued and is no longer in production. |
| AC | Over-shipped |
|  | Code indicating that there was an excess quantity of goods in a shipment relative to the order. |
| AD | Item out of stock at manufacturer |
|  | The item is out of stock at manufacturer. |

## Used Codes

| AE | Delivered but not advised <br> Shipment or goods have been delivered without any advance notification of <br> delivery. |
| :--- | :--- |
| Goods delivered damaged |  |
| Part or all of the goods in a shipment were delivered damaged. |  |
| Delivered too late |  |
| Delivered but at a later date than the delivery date under the agreed |  |
| conditions or stipulated in the order. |  |$\quad$| Next higher packaging quantity |
| :--- |
| The ordered item has been, or is to be, packed to the next higher packaging |
| quantity. |
| GS1 Description: |
| An indication from the buyer which allows the supplier to pack, if required, the |
| ordered item to its next higher complete level of packaging. |

## Used Codes

| CM | Shipment complete with additional quantity |
| :---: | :---: |
|  | The quantity dispatched exceeds the ordered quantity. <br> GS1 Description: <br> The shipment is complete and includes an additional quantity. |
| CN | Next carrier, PVE - (date) |
|  | Self explanatory. <br> GS1 Description: <br> Item will be shipped on the next available or scheduled carrier. |
| CP | Shipment partial - considered complete, no backorder |
|  | The quantity shipped is less than the amount authorized and there is no plan to ship the remaining amount. |
|  | GS1 Description: <br> Shipment does not fulfil the complete order but should be considered complete. Unshipped items are not considered to be on backorder. |
| CS | Shipment complete with substitution |
|  | The quantity and product shipped, though not exactly matching the original order, is compliant with and fulfils the expectation. |
|  | GS1 Description: <br> Shipment considered complete. One or more items in the order have been substituted by other items. |
| IC | Item cancelled |
|  | The material previously ordered is no longer needed. <br> GS1 Description: <br> Item has been cancelled from the order by the buyer or supplier. |
| IS | Item represents substitution from original order |
|  | The quantity and product shipped is compliant with the expectation. GS1 Description: <br> Item substitutes another item originally ordered. |
| OS | Item out of stock because of strike of force majeure |
|  | Item is not available due to strike or an unforeseeable event. |
| OW | Item out of stock at wholesaler |
|  | Item is not available at the distribution point. |
| PO | Purchase order inquiry - unshipped items only |
|  | Die Antwort enthält Informationen zu allen Artikeln, die nicht versandt und in die vorherige Anfrage aufgenommen wurden, die vom Kontaktinitiator angefordert wurde. <br> EDIFACT |
| PP | Purchase order inquiry - specific items |
|  | The response includes information concerning a unique sub-set of the total list of articles that the contract initiator had requested information on. EDIFACT |

## Used Codes

| PS | In process - scheduled to ship (date) <br> This amount is being manufactured in anticipation for a possible authorization <br> for shipment. <br> EDIFACT |
| :--- | :--- |
| RAItem rationed <br> Product is restricted because of limited availability. <br> GS1 Description: <br> Item has been rationed, ordered quantity exceeds rationed quantity. |  |
| Item temporarily discontinued by wholesaler <br> Product is, for the time being, not available from the distribution point. <br> GS1 Description: <br> The item has been temporarily removed from the product range of the <br> wholesaler. |  |
| Pack to closest complete logistic packaging quantity <br> Pack to the closest complete logistic packaging quantity. <br> GS1 Description: <br> An indication from the buyer which allows the supplier to pack, if required, the <br> ordered item to its closest complete level of packaging. |  |
| Pack to next lower complete logistic quantity <br> Pack to the next lower complete logistic packaging quantity. <br> GS1 Description: <br> An indication from the buyer which allows the supplier to pack, if required, the <br> ordered item to the next lowest complete logistics packaging. |  |
| UT Marking instructions code |  |

## Used Codes

| 8 | Mark gross weight |
| :---: | :---: |
|  | Packaging should be marked with gross weight. |
| 9 | Mark tare weight |
|  | Packaging should be marked with tare weight. |
| 10 | Mark batch number |
|  | Packaging should be marked with batch number. |
| 11 | Mark article number customer |
|  | Packaging should be marked with customer's article number. |
| 12 | Mark running number of packages |
|  | Packaging should be marked with the running number of packages. |
| 13 | Mark date of production |
|  | Packaging should be marked with the date of production. |
| 14 | Mark expiry date |
|  | Packaging should be marked with the expiry date. |
| 15 | Mark supplier number |
|  | Packaging should be marked with the supplier number. |
| 16 | Buyer's instructions |
|  | Markings as specified by the buyer. |
| 17 | Supplier's instructions |
|  | Markings as specified by the seller. |
|  | GS1 Description: Markings as specified by the supplier. |
| 18 | Carrier's instructions |
|  | Markings as specified by carrier. |
| 19 | Legal requirements |
|  | Markings as specified by law. |
| 20 | Industry instructions |
|  | Markings as specified by industry. |
| 30 | Mark serial shipping container code |
|  | Requests the marking of the serial shipping container code to the transport container or packaging. |
| 32 | Mark date of packaging |
|  | Packaging must be marked with the packaging date. |
| 33 | Mark reference to source entity |
|  | Packaging must be marked with the reference to source entity. The reference to source identifies that the trade item was derived from. |

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## Used Codes

| 34 | Marked GS1 Global Individual Asset Identifier |
| :---: | :---: |
|  | Indication that the GS1 Global Individual Asset Identifier has been marked on the package. |
| 35 | Marked with a product serial number |
|  | Indication that the product serial number has been marked on a package. |
| 38 | Marked price |
|  | Indication that the price has been marked on a package |
| 39 | Marked with Serial Shipping Container Code (SSCC) |
|  | Indication that the Serial Shipping Container Code has been marked on a package. |
| 40 | Marked with first freezing date |
|  | Indication that the first freezing date has been marked on the package. |
| 41 | Marked with batch number |
|  | Indication that the batch number has been marked on a package. |
| 42 | Marked with production date |
|  | Indication that the production date has been marked on a package. |
| 43 | Marked with expiry date |
|  | Indication that the expiry date has been marked on a package. |
| 44 | Marked with best before date |
|  | Indication that the best before date has been marked on a package. |
| 45 | Marked net weight |
|  | Indication that the net weight has been marked on a package. |
| 46 | Marked with packaging date |
|  | Indication that the packaging date has been marked on a package. |
| 47 | Marked with GS1 Global Returnable Asset Identifier (GRAI) |
|  | Indication that the GS1 Global Returnable Asset Identifier (GRAI) has been marked on the package. |
| 48 | Marked with a greeting message |
|  | Indication that the package has been marked with a greeting message. |
| 49 | Price per unit of measure marked on product |
|  | The price per unit of measure is marked on trade item |
| 31 E | Mark price (GS1 Temporary Code) |
|  | Coded instruction that the price be marked on a package. GS1 Note: Code marked for deletion. Use value 38 instead. |
| 32E | Mark GS1 number (GS1 Temporary Code) |
|  | Coded instruction that the GS1 number be marked on a package. |

## Used Codes

|  | Marked with serial shipping container code (GS1 Temporary Code) <br> Indication that the serial shipping container code has been marked on a <br> package. <br> GS1 Note: Code marked for deletion. Use value 39 instead. |
| :--- | :--- |
|  | Marked with GS1 number (GS1 Temporary Code) <br> Indication that the GS1 number has been marked on a package. |
| Marked with first freezing date (GS1 Temporary Code) |  |
| Indication that the first freezing date has been marked on the package. |  |
| GS1 Note: Code marked for deletion. Use value 40 instead. |  |

## Used Codes

| X29 | GSIN (GS1 Temporary Code) <br> Global Shipment Identification Number |
| :---: | :---: |
| X3 | Marked with use by date (GS1 Temporary Code) |
| 4347 | Product identifier code qualifier Code qualifying the product identifier. |
| 1 | Additional identification <br> Information which specifies and qualifies product identifications. |
| 3 | Substituted by <br> The given item number is the number of the product that substitutes another one. |
| 5 | Product identification <br> The item number is for product identification. |
| 4451 | Text subject code qualifier Code qualifying the subject of the text. |
| 3E | Tracking URL (GS1 Temporary Code) <br> The Internet link (URL) to track the delivery of a specific package or consignment. |
| 4453 | Free text function code Code specifying the function of free text. |
| 1 | Text for subsequent use The occurrence of this text does not affect message processing. |
| 5495 | Sub-line indicator code Code indicating a sub-line item. |
| 1 | Sub-line information Code indicating a sub-line item. |
| 6063 | Quantity type code qualifier Code qualifying the type of quantity. |
| 12 | Despatch quantity Quantity despatched by the seller. |
| 21 | Ordered quantity <br> The quantity which has been ordered. |
| 192 | Free goods quantity Quantity of goods which are free of charge. |

## Used Codes

| 45E | Number of units in higher packaging or configuration level (GS1 Temporary <br> Code) <br> The number of units contained in higher packaging or configuration level. |
| :--- | :--- |
| $\mathbf{6 0 6 9}$ | Control total type code qualifier <br> Code qualifying the type of control of hash total. |
| Number of line items in message <br> Self-explanatory. <br> GS1 Description: <br> The total number of LIN segments in a message. |  |
| Total gross weight |  |
| Code to indicate total gross weight of a consignment. |  |

## Used Codes

| 6313 | Measured attribute code <br> Code specifying the attribute measured. |
| :---: | :---: |
| A | Consolidated weight <br> The measured consolidated weight. |
| AAA | Unit net weight <br> GS1 Description: <br> Weight (mass) of the goods without any packing. |
| AAB | Unit gross weight <br> [6292] Weight (mass) of goods including packing but excluding the carrier's equipment. |
| AAC | Total net weight <br> Total weight of goods excluding packaging. <br> GS1 Description: <br> "Total" in this code means the sum of the net weight of all items. |
| AAD | Total gross weight <br> [6292] Weight (mass) of goods including packing but excluding the carrier's equipment. <br> GS1 Description: <br> "Total" in this code means the sum of the gross weight of all items. |
| AAJ | Number of units per pallet <br> The number of units contained on a pallet. <br> GS1 Description: <br> An indication of the number of units on a loaded pallet. The value associated with this code is calculated by multiplying the number of units per layer by the number of layers on a pallet. |
| AAK | Fat content <br> An indication of the fat content of a product. |
| AAL | Net weight <br> GS1 Description: <br> Weight (mass) of goods excluding packaging. <br> GS1 usage note: <br> The field of implementation of this code is the area of transport and related activities such as the preparation of goods into consignments for shipping. |
| AAO | Humidity Self-explanatory. |
| AAP | Voltage Self-explanatory. |
| AAQ | Power consumption <br> Value of energy consumption. |
| AAR | Heat dissipation Self-explanatory. |

## Used Codes

| AAU | Operative temperature |
| :---: | :---: |
|  | Temperature identified system or process works according to specifications. |
| AAW | Gross volume |
|  | The observed volume unadjusted for factors such as temperature or gravity. GS1 Description: <br> The usage of this code relates to the contents, e.g. gases or liquids that expand/contract under given circumstances. |
| AAX | Net volume |
|  | The observed volume after adjustment for factors such as temperature or gravity. |
|  | GS1 Description: |
|  | The usage of this code relates to the contents, e.g. gases or liquids that expand/contract under given circumstances. |
| AAY | Water content |
|  | Water content in product. |
| ABF | Item width when unrolled |
|  | The width of an item when unrolled. |
| ABG | Item length when unrolled |
|  | The length of an item when unrolled. |
| ABH | Item area when unrolled |
|  | The area occupied by an item when unrolled. |
| ABI | Original wort |
|  | Measure of the malt and hops content of beer, before fermentation has taken place. |
| ABJ | Volume |
|  | The amount of air space taken up by the entity identified in the 6311 qualifier. <br> GS1 Description: <br> The usage of this code relates to the cube of air that the package takes up. |
| ABK | Angle |
|  | The angle of an object. EDIFACT |
| ABL | Peg hole horizontal distance from package leftmost edge |
|  | Horizontal distance from the left most edge of the package to the center of the hole into which the peg is inserted. <br> EDIFACT |
| ABM | Peg hole vertical distance from top |
|  | Vertical distance from the top of the package to the top of the hole into which the peg is inserted. <br> EDIFACT |
| ABO | Product strength, chemical |
|  | The amount of the single active chemical ingredient within a product. EDIFACT |

## Used Codes

| ABP | Product strength basis, chemical <br> Amount of product used as the basis for the specification of the chemical <br> product strenght. <br> EDIFACT |
| :--- | :--- |
| Percentage of alcohol (by volume) |  |
| The percentage of alcohol contained in a liquid. |  |
| Chargeable weight |  |
| The weight on which charges are based. |  | | Estimated gross weight |
| :--- |
| Estimated weight (mass) of goods, including packing and excluding carrier's. |
| GS1 Description: |
| Estimated gross weight (mass) of goods, including packing and excluding |
| carrier's equipment. |

## Used Codes

| AEL | Area |
| :---: | :---: |
|  | Extent or measure of a surface. |
| AEV | Acidity of juice |
|  | Acid measurement of juice. |
|  | GS1 Description: <br> Acid number of juice of fruit measured with $\mathrm{pH}=8.2$. |
| AEW | Penetrometry |
|  | Measurement of force required to drive a standard penetrating stamp. |
| AEX | Durofel |
|  | Measurement of the elastic force using a standard penetrating stamp. GS1 Description: |
|  | Measure of the elastic force of the pulp of a fruit. This is measured with a penetrating stamp and expressed as a percentage. |
| AEY | Juice weight per 100 grams |
|  | Measurement of weight of juice, based on 100 grams of the entire weight. |
|  | Weight of juice, based on 100 grams of the entire fruit, expressed as a percentage. |
| AEZ | Fruit skin colour |
|  | Measurement of the colouring of the epidermis of a fruit. |
|  | GS1 Description: <br> Colouring of the epidermis of a fruit measured with comparators. It indicates the maturity of the fruit or its commercial quality. |
| AFB | Durofel D10 |
|  | Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 10 . |
|  | GS1 Description: <br> Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 10 . This measure is expressed as a percentage. |
| AFC | Durofel D25 |
|  | Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 25 . |
|  | GS1 Description: <br> Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 25 . This measure is expressed as a percentage. |
| AFD | Durofel D50 |
|  | Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 50 . |
|  | GS1 Description: <br> Measure of the elastic force of the pulp of a fruit. It is measured with a penetrating stamp with diameter 50 . This measure is expressed as a percentage. |

## Used Codes

|  | Maximum stacking weight <br> The maximum weight which may be stacked upon a product or package <br> without the product or packaging being crushed. |
| :--- | :--- |
| Gross measure cube <br> The total cubic space occupied by an item, taking into account any protruding <br> components, arrived at by multiplying the maximum length, width and height. |  |
| Percentage fat content in dry matter |  |
| The percentage of fat content in dry matter. |  |

## Used Codes

| BNY | Packed items layer Height |
| :---: | :---: |
|  | The height of a single layer of packed items. |
| BNZ | Packing material weight, skin tight covering |
|  | The weight measurement of the packing material used for skin tight covering (e.g. when packaging prepared meats, poultry, cheese, and other food products). |
| BRB | Components labelled for recycling percentage |
|  | Percentage of trade item components that clearly label how to facilitate product disassembly and recycling. |
| BRC | Renewable plastic components percentage, by net weight |
|  | The percentage of the plastic components only made from rapidly renewable plant-based material by net weight of product. |
| BRD | Clamp pressure, required |
|  | The pressure that should be applied by a clamp. |
| BUP | Number of base units per pallet (GS1 Temporary Code) |
|  | The number of base units contained in a pallet. |
| CF1 | Colony forming Unit (GS1 Temporary Code) |
|  | Micro-organism colonies that are to be counted under determined conditions. |
| CT | Contents of package |
|  | In combination with the other data elements of the actual segment this code indicates the measured content of a package. |
| DBX | Degree BRIX (GS1 Temporary Code) |
|  | The rate of sugar. |
| DI | Diameter |
|  | Diameter of an article. |
| DLL | Diluted liquid (GS1 Temporary Code) |
|  | The volume of liquid which results after a dilution agent has been added, e.g. undiluted orange juice of 200 ml , after dilution with water the volume of diluted liquid equals 1 litre. |
| DN | Density |
|  | The measured density. |
| DP | Depth |
|  | The measured depth. |
| ENE | Energy efficiency (GS1 Temporary Code) |
|  | A measurement of the energy efficiency of an article. |

## Used Codes

Gross weight
[6292] Weight (mass) of goods including packing but excluding the carrier's
equipment.
GS1 Description:
The field of implementation of this code is the area of transport and related
activities such as the preparation of goods into consignments for shipping.

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## Used Codes

| RA | Relative humidity <br> The measured relative humidity. |
| :---: | :---: |
| RJ | Rockwell C |
|  | Hardness in the Rockwell C scale. |
| SF | Stacking factor excluding bottom item (GS1 Temporary Code) |
|  | Maximum number of items stackable upon each other, excluding the bottom item. |
| SPG | Specific gravity (GS1 Temporary Code) |
| SSZ | Step size (GS1 Temporary Code) |
|  | An indication of measurements in which options contained within a Customer Specific Article are available, e.g. 10 metre planks of wood may be sold in step sizes of 2 metres. |
| T | Tare weight |
|  | Weight excluding goods and loose accessories. |
| TC | Temperature |
|  | A measurement in relation to temperature. |
| TH | Thickness |
|  | The measured thickness. |
| TN | Time period |
|  | Measurement of a specific length of time. |
| UCO | Units per package (GS1 Temporary Code) |
|  | The number of identified units per package. |
| ULY | Number of units per layer (GS1 Temporary Code) |
|  | Number of units of a product or package within one layer of a package, container, pallet, etc. |
| WD | Width dimension |
|  | Numeric value of width. |
| WRM | Weight per running metre (GS1 Temporary Code) |
|  | A code used to indicate the weight per running metre of floor coverings over floor area. |
| WSM | Weight per square metre (GS1 Temporary Code) |
|  | A code used to indicate the weight per square metre of floor coverings over floor area. |
| X01 | Acidity of meat (1 hour after slaughtering) |
|  | The meat's acid quality or condition expressed as a pH value measured 1 hour after slaughtering. |
| X02 | Acidity of meat (12 hours after slaughtering) |
|  | The meat's acid quality or condition expressed as a pH value measured 12 hours after slaughtering. |

## Used Codes

| X03 | Acidity of meat (24 hours after slaughtering) <br> The meat's acid quality or condition expressed as a pH value measured 24 <br> hours after slaughtering. |
| :--- | :--- |
| Acidity of meat (36 hour(s) after slaughtering) <br> The meat's acid quality or condition expressed as a pH value measured 36 <br> hours after slaughtering. |  |
| Acidity of meat (48 hour(s) after slaughtering) |  |
| The meat's acid quality or condition expressed as a pH value measured 48 |  |
| hours after slaughtering. |  |

## Used Codes

| 4 | Equal to <br> The measurement is equal to that specified. |
| :---: | :---: |
| 5 | Greater than or equal to <br> The measurement is greater than or equal to that specified. |
| 6 | Greater than <br> The measurement is greater than that specified. |
| 7 | Less than <br> The measurement is less than that specified. |
| 8 | Less than or equal to <br> The measurement is less than or equal to that specified. |
| 12 | True value <br> The measurement reported is a true value. |
| 6411 | Measurement unit code <br> Code specifying the unit of measurement. <br> Notes: <br> \| 1. Recommend use UN/ECE Recommendation 20, Common code. |
| 10 | group <br> A unit of count defining the number of groups (group: set of items classified together). |
| 11 | outfit <br> A unit of count defining the number of outfits (outfit: a complete set of equipment / materials / objects used for a specific purpose). |
| 13 | ration <br> A unit of count defining the number of rations (ration: a single portion of provisions). |
| 14 | shot <br> A unit of liquid measure, especially related to spirits. |
| 15 | stick, military <br> A unit of count defining the number of military sticks (military stick: bombs or paratroops released in rapid succession from an aircraft). |
| 20 | twenty foot container <br> A unit of count defining the number of shipping containers that measure 20 foot in length. |
| 21 | forty foot container <br> A unit of count defining the number of shipping containers that measure 40 foot in length. |
| 22 | decilitre per gram |
| $23$ | gram per cubic centimetre |

## Used Codes

theoretical pound
A unit of mass defining the expected mass of material expressed as the
number of pounds.
gram per square centimetre
theoretical ton
A unit of mass defining the expected mass of material, expressed as the
number of tons.

## Used Codes

| 84 | kilopound-force per square inch |
| :---: | :---: |
|  | A unit of pressure defining the number of kilopounds force per square inch. Use kip per square inch (common code N20). |
| 85 | foot pound-force |
| 87 | pound per cubic foot |
| 89 | poise |
| 91 | stokes |
| 1I | fixed rate |
|  | A unit of quantity expressed as a predetermined or set rate for usage of a facility or service. |
| 2 A | radian per second |
|  | Refer ISO/TC12 SI Guide |
| 2B | radian per second squared |
|  | Refer ISO/TC12 SI Guide |
| 2C | roentgen |
| 2G | volt AC |
|  | A unit of electric potential in relation to alternating current (AC). |
| 2 H | volt DC |
|  | A unit of electric potential in relation to direct current (DC). |
| 2I | British thermal unit (international table) per hour |
| 2 J | cubic centimetre per second |
| 2K | cubic foot per hour |
| 2L | cubic foot per minute |
| 2M | centimetre per second |
| 2N | decibel |
| 2P | kilobyte |
|  | A unit of information equal to 10 to the power of 3 (1000) bytes. |
| 2Q | kilobecquerel |
| 2R | kilocurie |
| 2 U | megagram |
| 2X | metre per minute |
| $2 Y$ | milliroentgen |
| $2 Z$ | millivolt |
| 3B | megajoule |

## Used Codes

| 3 C | manmonth |
| :---: | :---: |
|  | A unit of count defining the number of months for a person or persons to perform an undertaking. |
| 4C | centistokes |
| 4G | microlitre |
| 4H | micrometre (micron) |
| 4K | milliampere |
| 4L | megabyte |
|  | A unit of information equal to 10 to the power of $6(1000000)$ bytes. |
| 4M | milligram per hour |
| 4N | megabecquerel |
| 40 | microfarad |
| 4 P | newton per metre |
| 4Q | ounce inch |
| 4R | ounce foot |
| 4T | picofarad |
| 4 U | pound per hour |
| 4W | ton (US) per hour |
| 4X | kilolitre per hour |
| 5A | barrel (US) per minute |
| 5B | batch |
|  | A unit of count defining the number of batches (batch: quantity of material produced in one operation or number of animals or persons coming at once). |
| 5E | MMSCF/day |
|  | A unit of volume equal to one million (1000000) cubic feet of gas per day. |
| 5J | hydraulic horse power |
|  | A unit of power defining the hydraulic horse power delivered by a fluid pump depending on the viscosity of the fluid. |
| A1 | $15^{\circ} \mathrm{C}$ calorie |
| A10 | ampere square metre per joule second |
| A11 | angstrom |
| A12 | astronomical unit |
| A13 | attojoule |
| A14 | barn |
| A15 | barn per electronvolt |

Used Codes

| A16 | barn per steradian electronvolt |
| :---: | :---: |
| A17 | barn per steradian |
| A18 | becquerel per kilogram |
| A19 | becquerel per cubic metre |
| A2 | ampere per centimetre |
| A20 | British thermal unit (international table) per second square foot degree Rankine |
| A21 | British thermal unit (international table) per pound degree Rankine |
| A22 | British thermal unit (international table) per second foot degree Rankine |
| A23 | British thermal unit (international table) per hour square foot degree Rankine |
| A24 | candela per square metre |
| A25 | cheval vapeur <br> Synonym: metric horse power |
| A26 | coulomb metre |
| A27 | coulomb metre squared per volt |
| A28 | coulomb per cubic centimetre |
| A29 | coulomb per cubic metre |
| A3 | ampere per millimetre |
| A30 | coulomb per cubic millimetre |
| A31 | coulomb per kilogram second |
| A32 | coulomb per mole |
| A33 | coulomb per square centimetre |
| A34 | coulomb per square metre |
| A35 | coulomb per square millimetre |
| A36 | cubic centimetre per mole |
| A37 | cubic decimetre per mole |
| A38 | cubic metre per coulomb |
| A39 | cubic metre per kilogram |
| A4 | ampere per square centimetre |
| A40 | cubic metre per mole |
| A41 | ampere per square metre |
| A42 | curie per kilogram |

## Used Codes

| A43 | deadweight tonnage |
| :---: | :---: |
|  | A unit of mass defining the difference between the weight of a ship when completely empty and its weight when completely loaded, expressed as the number of tons. |
| A44 | decalitre |
| A45 | decametre |
| A47 | decitex |
|  | A unit of yarn density. One decitex equals a mass of 1 gram per 10 kilometres of length. |
| A48 | degree Rankine |
|  | Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| A49 | denier |
|  | A unit of yarn density. One denier equals a mass of 1 gram per 9 kilometres of length. |
| A5 | ampere square metre |
| A50 | dyne second per cubic centimetre |
| A51 | dyne second per centimetre |
| A52 | dyne second per centimetre to the fifth power |
| A53 | electronvolt |
| A54 | electronvolt per metre |
| A55 | electronvolt square metre |
| A56 | electronvolt square metre per kilogram |
| A57 | erg |
| A58 | erg per centimetre |
| A59 | 8-part cloud cover |
|  | A unit of count defining the number of eighth-parts as a measure of the celestial dome cloud coverage. <br> Synonym: OKTA, OCTA |
| A6 | ampere per square metre kelvin squared |
| A60 | erg per cubic centimetre |
| A61 | erg per gram |
| A62 | erg per gram second |
| A63 | erg per second |
| A64 | erg per second square centimetre |
| A65 | erg per square centimetre second |
| A66 | erg square centimetre |

## Used Codes

| A67 | erg square centimetre per gram |
| :---: | :---: |
| A68 | exajoule |
| A69 | farad per metre |
| A7 | ampere per square millimetre |
| A70 | femtojoule |
| A71 | femtometre |
| A73 | foot per second squared |
| A74 | foot pound-force per second |
| A75 | freight ton |
|  | A unit of information typically used for billing purposes, defined as either the number of metric tons or the number of cubic metres, whichever is the larger. |
| A76 | gal |
| A77 | Gaussian CGS (Centimetre-Gram-Second system) unit of displacement |
| A78 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric current |
| A79 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric charge |
| A8 | ampere second |
| A80 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric field strength |
| A81 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric polarization |
| A82 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric potential |
| A83 | Gaussian CGS (Centimetre-Gram-Second system) unit of magnetization |
| A84 | gigacoulomb per cubic metre |
| A85 | gigaelectronvolt |
| A86 | gigahertz |
| A87 | gigaohm |
| A88 | gigaohm metre |
| A89 | gigapascal |
| A9 | rate |
|  | A unit of quantity expressed as a rate for usage of a facility or service. |
| A90 | gigawatt |
| A91 | gon |
|  | Synonym: grade |
| A93 | gram per cubic metre |
| A94 | gram per mole |
| A95 | gray |

## Used Codes

| A96 | gray per second |
| :---: | :---: |
| A97 | hectopascal |
| A98 | henry per metre |
| A99 | bit |
|  | A unit of information equal to one binary digit. |
| AA | ball |
|  | A unit of count defining the number of balls (ball: object formed in the shape of sphere). |
| $A B$ | bulk pack |
|  | A unit of count defining the number of items per bulk pack. |
| ACR | acre |
| ACT | activity |
|  | A unit of count defining the number of activities (activity: a unit of work or action). |
| AD | byte |
|  | A unit of information equal to 8 bits. |
| AE | ampere per metre |
| AH | additional minute |
|  | A unit of time defining the number of minutes in addition to the referenced minutes. |
| AI | average minute per call |
|  | A unit of count defining the number of minutes for the average interval of a call. |
| AK | fathom |
| AL | access line |
|  | A unit of count defining the number of telephone access lines. |
| AMH | ampere hour |
|  | A unit of electric charge defining the amount of charge accumulated by a steady flow of one ampere for one hour. |
| AMP | ampere |
| ANN | year |
|  | Unit of time equal to 365,25 days. <br> Synonym: Julian year |
| APZ | troy ounce or apothecary ounce |
| AQ | anti-hemophilic factor (AHF) unit |
|  | A unit of measure for blood potency (US). |
| ARE | are |
|  | Synonym: square decametre |

## Used Codes

| AS | assortment <br> A unit of count defining the number of assortments (assortment: set of items <br> grouped in a mixed collection). |
| :--- | :--- |
| alcoholic strength by mass |  |
| A unit of mass defining the alcoholic strength of a liquid. |  |
| alcoholic strength by volume |  |
| A unit of volume defining the alcoholic strength of a liquid (e.g. spirit, wine, |  |
| beer, etc), often at a specific temperature. |  |

## Used Codes

| B24 | kiloampere per metre |
| :---: | :---: |
| B25 | kilobecquerel per kilogram |
| B26 | kilocoulomb |
| B27 | kilocoulomb per cubic metre |
| B28 | kilocoulomb per square metre |
| B29 | kiloelectronvolt |
| B3 | batting pound <br> A unit of mass defining the number of pounds of wadded fibre. |
| B30 | gibibit <br> A unit of information equal to $2^{3}$ ? bits (binary digits). |
| B31 | kilogram metre per second |
| B32 | kilogram metre squared |
| B33 | kilogram metre squared per second |
| B34 | kilogram per cubic decimetre |
| B35 | kilogram per litre |
| B36 | calorie (thermochemical) per gram |
| B37 | kilogram-force |
| B38 | kilogram-force metre |
| B39 | kilogram-force metre per second |
| B4 | barrel, imperial <br> A unit of volume used to measure beer. One beer barrel equals 36 imperial gallons. |
| B40 | kilogram-force per square metre |
| B41 | kilojoule per kelvin |
| B42 | kilojoule per kilogram |
| B43 | kilojoule per kilogram kelvin |
| B44 | kilojoule per mole |
| B45 | kilomole |
| B46 | kilomole per cubic metre |
| B47 | kilonewton |
| B48 | kilonewton metre |
| B49 | kiloohm |
| B50 | kiloohm metre |

## Used Codes

| B51 | kilopond <br> Synonym: kilogram-force |
| :---: | :---: |
| B52 | kilosecond |
| B53 | kilosiemens |
| B54 | kilosiemens per metre |
| B55 | kilovolt per metre |
| B56 | kiloweber per metre |
| B57 | light year |
|  | A unit of length defining the distance that light travels in a vacuum in one year. |
| B58 | litre per mole |
| B59 | lumen hour |
| B60 | lumen per square metre |
| B61 | lumen per watt |
| B62 | lumen second |
| B63 | lux hour |
| B64 | lux second |
| B65 | maxwell |
| B66 | megaampere per square metre |
| B67 | megabecquerel per kilogram |
| B68 | gigabit |
|  | A unit of information equal to 10 to the power of 9 bits (binary digits). |
| B69 | megacoulomb per cubic metre |
| B7 | cycle |
|  | A unit of count defining the number of cycles (cycle: a recurrent period of definite duration). |
| B70 | megacoulomb per square metre |
| B71 | megaelectronvolt |
| B72 | megagram per cubic metre |
| B73 | meganewton |
| B74 | meganewton metre |
| B75 | megaohm |
| B76 | megaohm metre |
| B77 | megasiemens per metre |
| B78 | megavolt |

## Used Codes

| B79 | megavolt per metre |
| :---: | :---: |
| B8 | joule per cubic metre |
| B80 | gigabit per second |
|  | A unit of information equal to 10 to the power of 9 bits (binary digits) per second. |
| B81 | reciprocal metre squared reciprocal second |
| B82 | inch per linear foot |
|  | A unit of length defining the number of inches per linear foot. |
| B83 | metre to the fourth power |
| B84 | microampere |
| B85 | microbar |
| B86 | microcoulomb |
| B87 | microcoulomb per cubic metre |
| B88 | microcoulomb per square metre |
| B89 | microfarad per metre |
| B90 | microhenry |
| B91 | microhenry per metre |
| B92 | micronewton |
| B93 | micronewton metre |
| B94 | microohm |
| B95 | microohm metre |
| B96 | micropascal |
| B97 | microradian |
| B98 | microsecond |
| B99 | microsiemens |
| BAR | bar [unit of pressure] |
| BB | base box |
|  | A unit of area of 112 sheets of tin mil products (tin plate, tin free steel or black plate) 14 by 20 inches, or 31,360 square inches. |
| BFT | board foot |
|  | A unit of volume defining the number of cords (cord: a stack of firewood of 128 cubic feet). |
| BHP | brake horse power |
| BIL | billion (EUR) |
|  | Synonym: trillion (US) |

## Used Codes

| BLD | dry barrel (US) |
| :---: | :---: |
| BLL | barrel (US) |
| BP | hundred board foot |
|  | A unit of volume equal to one hundred board foot. |
| BPM | beats per minute |
|  | The number of beats per minute. |
| BQL | becquerel |
| BTU | British thermal unit (international table) |
| BUA | bushel (US) |
| BUI | bushel (UK) |
| CO | call |
|  | A unit of count defining the number of calls (call: communication session or visitation). |
| C10 | millifarad |
| C11 | milligal |
| C12 | milligram per metre |
| C13 | milligray |
| C14 | millihenry |
| C15 | millijoule |
| C16 | millimetre per second |
| C17 | millimetre squared per second |
| C18 | millimole |
| C19 | mole per kilogram |
| C20 | millinewton |
| C21 | kibibit |
|  | A unit of information equal to 2 to the power of 10 (1024) bits (binary digits). |
| C22 | millinewton per metre |
| C23 | milliohm metre |
| C24 | millipascal second |
| C25 | milliradian |
| C26 | millisecond |
| C27 | millisiemens |
| C28 | millisievert |
| C29 | millitesla |

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## Used Codes

| C3 | microvolt per metre |
| :---: | :---: |
| C30 | millivolt per metre |
| C31 | milliwatt |
| C32 | milliwatt per square metre |
| C33 | milliweber |
| C34 | mole |
| C35 | mole per cubic decimetre |
| C36 | mole per cubic metre |
| C37 | kilobit |
|  | A unit of information equal to 10 to the power of 3 (1000) bits (binary digits). |
| C38 | mole per litre |
| C39 | nanoampere |
| C40 | nanocoulomb |
| C41 | nanofarad |
| C42 | nanofarad per metre |
| C43 | nanohenry |
| C44 | nanohenry per metre |
| C45 | nanometre |
| C46 | nanoohm metre |
| C47 | nanosecond |
| C48 | nanotesla |
| C49 | nanowatt |
| C50 | neper |
| C51 | neper per second |
| C52 | picometre |
| C53 | newton metre second |
| C54 | newton metre squared per kilogram squared |
| C55 | newton per square metre |
| C56 | newton per square millimetre |
| C57 | newton second |
| C58 | newton second per metre |
| C59 | octave |
|  | A unit used in music to describe the ratio in frequency between notes. |
| C60 | ohm centimetre |

## Used Codes

| C61 | ohm metre |
| :---: | :---: |
| C62 | one |
|  | Synonym: unit |
| C63 | parsec |
| C64 | pascal per kelvin |
| C65 | pascal second |
| C66 | pascal second per cubic metre |
| C67 | pascal second per metre |
| C68 | petajoule |
| C69 | phon |
|  | A unit of subjective sound loudness. A sound has loudness p phons if it seems to the listener to be equal in loudness to the sound of a pure tone of frequency 1 kilohertz and strength $p$ decibels. |
| C7 | centipoise |
| C70 | picoampere |
| C71 | picocoulomb |
| C72 | picofarad per metre |
| C73 | picohenry |
| C74 | kilobit per second |
|  | A unit of information equal to 10 to the power of 3 (1000) bits (binary digits) per second. |
| C75 | picowatt |
| C76 | picowatt per square metre |
| C78 | pound-force |
| C79 | kilovolt ampere hour |
|  | A unit of accumulated energy of 1000 volt amperes over a period of one hour. |
| C8 | millicoulomb per kilogram |
| C80 | rad |
| C81 | radian |
| C82 | radian square metre per mole |
| C83 | radian square metre per kilogram |
| C84 | radian per metre |
| C85 | reciprocal angstrom |
| C86 | reciprocal cubic metre |

## Used Codes

| C87 | reciprocal cubic metre per second <br> Synonym: reciprocal second per cubic metre |
| :---: | :---: |
| C88 | reciprocal electron volt per cubic metre |
| C89 | reciprocal henry |
| C9 | coil group |
|  | A unit of count defining the number of coil groups (coil group: groups of items arranged by lengths of those items placed in a joined sequence of concentric circles). |
| C90 | reciprocal joule per cubic metre |
| C91 | reciprocal kelvin or kelvin to the power minus one |
| C92 | reciprocal metre |
| C93 | reciprocal square metre |
|  | Synonym: reciprocal metre squared |
| C94 | reciprocal minute |
| C95 | reciprocal mole |
| C96 | reciprocal pascal or pascal to the power minus one |
| C97 | reciprocal second |
| C99 | reciprocal second per metre squared |
| CCT | carrying capacity in metric ton |
|  | A unit of mass defining the carrying capacity, expressed as the number of metric tons. |
| CDL | candela |
| CEL | degree Celsius |
|  | Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| CEN | hundred |
|  | A unit of count defining the number of units in multiples of 100 . |
| CG | card |
|  | A unit of count defining the number of units of card (card: thick stiff paper or cardboard). |
| CGM | centigram |
| CKG | coulomb per kilogram |
| CLF | hundred leave |
|  | A unit of count defining the number of leaves, expressed in units of one hundred leaves. |
| CLT | centilitre |
| CMK | square centimetre |
| CMQ | cubic centimetre |

## Used Codes

| CMT | centimetre |
| :---: | :---: |
| CNP | hundred pack |
|  | A unit of count defining the number of hundred-packs (hundred-pack: set of one hundred items packaged together). |
| CNT | cental (UK) |
|  | A unit of mass equal to one hundred weight (US). |
| cou | coulomb |
| CTG | content gram |
|  | A unit of mass defining the number of grams of a named item in a product. |
| CTM | metric carat |
| CTN | content ton (metric) |
|  | A unit of mass defining the number of metric tons of a named item in a product. |
| CUR | curie |
| CWA | hundred pound (cwt) / hundred weight (US) |
| CWI | hundred weight (UK) |
| D03 | kilowatt hour per hour |
|  | A unit of accumulated energy of a thousand watts over a period of one hour. |
| D04 | lot [unit of weight] |
|  | A unit of weight equal to about $1 / 2$ ounce or 15 grams. |
| D1 | reciprocal second per steradian |
| D10 | siemens per metre |
| D11 | mebibit |
|  | A unit of information equal to 2 to the power of 20 (1048576) bits (binary digits). |
| D12 | siemens square metre per mole |
| D13 | sievert |
| D15 | sone |
|  | A unit of subjective sound loudness. One sone is the loudness of a pure tone of frequency one kilohertz and strength 40 decibels. |
| D16 | square centimetre per erg |
| D17 | square centimetre per steradian erg |
| D18 | metre kelvin |
| D19 | square metre kelvin per watt |
| D2 | reciprocal second per steradian metre squared |
| D20 | square metre per joule |

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## Used Codes

| D21 | square metre per kilogram |
| :---: | :---: |
| D22 | square metre per mole |
| D23 | pen gram (protein) |
|  | A unit of count defining the number of grams of amino acid prescribed for parenteral/enteral therapy. |
| D24 | square metre per steradian |
| D25 | square metre per steradian joule |
| D26 | square metre per volt second |
| D27 | steradian |
| D29 | terahertz |
| D30 | terajoule |
| D31 | terawatt |
| D32 | terawatt hour |
| D33 | tesla |
| D34 | tex |
|  | A unit of yarn density. One decitex equals a mass of 1 gram per 1 kilometre of length. |
| D35 | calorie (thermochemical) |
| D36 | megabit |
|  | A unit of information equal to 10 to the power of 6 (1000000) bits (binary digits). |
| D37 | calorie (thermochemical) per gram kelvin |
| D38 | calorie (thermochemical) per second centimetre kelvin |
| D39 | calorie (thermochemical) per second square centimetre kelvin |
| D41 | tonne per cubic metre |
| D42 | tropical year |
| D43 | unified atomic mass unit |
| D44 | var |
|  | The name of the unit is an acronym for volt-ampere-reactive. |
| D45 | volt squared per kelvin squared |
| D46 | volt - ampere |
| D47 | volt per centimetre |
| D48 | volt per kelvin |
| D49 | millivolt per kelvin |
| D5 | kilogram per square centimetre |

Liefermeldung
Used Codes

| D50 | volt per metre |
| :---: | :---: |
| D51 | volt per millimetre |
| D52 | watt per kelvin |
| D53 | watt per metre kelvin |
| D54 | watt per square metre |
| D55 | watt per square metre kelvin |
| D56 | watt per square metre kelvin to the fourth power |
| D57 | watt per steradian |
| D58 | watt per steradian square metre |
| D59 | weber per metre |
| D6 | roentgen per second |
| D60 | weber per millimetre |
| D61 | minute [unit of angle] |
| D62 | second [unit of angle] |
| D63 | book |
|  | A unit of count defining the number of books (book: set of items bound together or written document of a material whole). |
| D65 | round |
|  | A unit of count defining the number of rounds (round: A circular or cylindrica object). |
| D68 | number of words |
|  | A unit of count defining the number of words. |
| D69 | inch to the fourth power |
| D70 | calorie (international table) |
| D71 | calorie (international table) per second centimetre kelvin |
| D72 | calorie (international table) per second square centimetre kelvin |
| D73 | joule square metre |
| D74 | kilogram per mole |
| D75 | calorie (international table) per gram |
| D76 | calorie (international table) per gram kelvin |
| D77 | megacoulomb |
| D78 | megajoule per second |
|  | A unit of accumulated energy equal to one million joules per second. |
| D80 | microwatt |
| D81 | microtesla |

## Liefermeldung

## Used Codes

| D82 | microvolt |
| :---: | :---: |
| D83 | millinewton metre |
| D85 | microwatt per square metre |
| D86 | millicoulomb |
| D87 | millimole per kilogram |
| D88 | millicoulomb per cubic metre |
| D89 | millicoulomb per square metre |
| D9 | dyne per square centimetre |
| D91 | rem |
| D93 | second per cubic metre |
| D94 | second per cubic metre radian |
| D95 | joule per gram |
| DAA | decare |
| DAD | ten day |
|  | A unit of time defining the number of days in multiples of 10 . |
| DAY | day |
| DB | dry pound |
|  | A unit of mass defining the number of pounds of a product, disregarding the water content of the product. |
| DD | degree [unit of angle] |
| DEC | decade |
|  | A unit of count defining the number of decades (decade: quantity equal to 10 or time equal to 10 years). |
| DG | decigram |
| DJ | decagram |
| DLT | decilitre |
| DMA | cubic decametre |
| DMK | square decimetre |
| DMO | standard kilolitre |
|  | A unit of volume defining the number of kilolitres of a product at a temperature of 15 degrees Celsius, especially in relation to hydrocarbon oils. |
| DMQ | cubic decimetre |
| DMT | decimetre |
| DN | decinewton metre |

## Used Codes

| DPC | dozen piece |
| :---: | :---: |
|  | A unit of count defining the number of pieces in multiples of 12 (piece: a single item, article or exemplar). |
| DPR | dozen pair |
|  | A unit of count defining the number of pairs in multiples of 12 (pair: item described by two's). |
| DPT | displacement tonnage |
|  | A unit of mass defining the volume of sea water a ship displaces, expressed as the number of tons. |
| DRA | dram (US) |
|  | Synonym: drachm (UK), troy dram |
| DRI | dram (UK) |
|  | Synonym: avoirdupois dram |
| DRL | dozen roll |
|  | A unit of count defining the number of rolls, expressed in twelve roll units. |
| DT | dry ton |
|  | A unit of mass defining the number of tons of a product, disregarding the water content of the product. |
| DTN | decitonne |
|  | Synonym: centner, metric 100 kg , quintal, metric 100 kg |
| DU | dyne |
| DWT | pennyweight |
| DX | dyne per centimetre |
| DZN | dozen |
|  | A unit of count defining the number of units in multiples of 12. |
| DZP | dozen pack |
|  | A unit of count defining the number of packs in multiples of 12 (pack: standard packaging unit). |
| E01 | newton per square centimetre |
|  | A measure of pressure expressed in newtons per square centimetre. |
| E07 | megawatt hour per hour |
|  | A unit of accumulated energy of a million watts over a period of one hour. |
| E08 | megawatt per hertz |
|  | A unit of energy expressed as the load change in million watts that will cause a frequency shift of one hertz. |
| E09 | milliampere hour |
|  | A unit of power load delivered at the rate of one thousandth of an ampere over a period of one hour. |

## Used Codes

|  | degree day <br> A unit of measure used in meteorology and engineering to measure the <br> demand for heating or cooling over a given period of days. |
| :--- | :--- |
| gigacalorie |  |
| A unit of heat energy equal to one thousand million calories. |  |
| mille |  |
| A unit of count defining the number of cigarettes in units of 1000. |  |

## Used Codes

| E28 | air dry ton |
| :---: | :---: |
|  | A unit of mass defining the number of tons of a product, disregarding the water content of the product. |
| E30 | strand |
|  | A unit of count defining the number of strands (strand: long, thin, flexible, single thread, strip of fibre, constituent filament or multiples of the same, twisted together). |
| E31 | square metre per litre |
|  | A unit of count defining the number of square metres per litre. |
| E32 | litre per hour |
|  | A unit of count defining the number of litres per hour. |
| E33 | foot per thousand |
|  | A unit of count defining the number of feet per thousand units. |
| E34 | gigabyte |
|  | A unit of information equal to 10 to the power of 9 bytes. |
| E35 | terabyte |
|  | A unit of information equal to 10 to the power of 12 bytes. |
| E36 | petabyte |
|  | A unit of information equal to 10 to the power of 15 bytes. |
| E37 | pixel |
|  | A unit of count defining the number of pixels (pixel: picture element). |
| E38 | megapixel |
|  | A unit of count equal to 10 to the power of 6 (1000000) pixels (picture elements). |
| E39 | dots per inch |
|  | A unit of information defining the number of dots per linear inch as a measure of the resolution or sharpness of a graphic image. |
| E4 | gross kilogram |
|  | A unit of mass defining the total number of kilograms before deductions. |
| E40 | part per hundred thousand |
|  | A unit of proportion equal to 10 to the power of -5 . |
| E41 | kilogram-force per square millimetre |
|  | A unit of pressure defining the number of kilograms force per square millimetre. |
| E42 | kilogram-force per square centimetre |
|  | A unit of pressure defining the number of kilograms force per square centimetre. |
| E43 | joule per square centimetre |
|  | A unit of energy defining the number of joules per square centimetre. |

## Used Codes

| E44 | kilogram-force metre per square centimetre |
| :---: | :---: |
|  | A unit of torsion defining the torque kilogram-force metre per square centimetre. |
| E45 | milliohm |
| E46 | kilowatt hour per cubic metre |
|  | A unit of energy consumption expressed as kilowatt hour per cubic metre. |
| E47 | kilowatt hour per kelvin |
|  | A unit of energy consumption expressed as kilowatt hour per kelvin. |
| E48 | service unit |
|  | A unit of count defining the number of service units (service unit: defined period / property / facility / utility of supply). |
| E49 | working day |
|  | A unit of count defining the number of working days (working day: a day on which work is ordinarily performed). |
| E50 | accounting unit |
|  | A unit of count defining the number of accounting units. |
| E51 | job |
|  | A unit of count defining the number of jobs. |
| E52 | run foot |
|  | A unit of count defining the number feet per run. |
| E53 | test |
|  | A unit of count defining the number of tests. |
| E54 | trip |
|  | A unit of count defining the number of trips. |
| E55 | use |
|  | A unit of count defining the number of times an object is used. |
| E56 | well |
|  | A unit of count defining the number of wells. |
| E57 | zone |
|  | A unit of count defining the number of zones. |
| E58 | exabit per second |
|  | A unit of information equal to 10 to the power of 18 bits (binary digits) per second. |
| E59 | exbibyte |
|  | A unit of information equal to 2 to the power of 60 bytes. |
| E60 | pebibyte |
|  | A unit of information equal to 2 to the power of 50 bytes. |

## Used Codes

| E61 | tebibyte |
| :---: | :---: |
|  | A unit of information equal to 2 to the power of 40 bytes. |
| E62 | gibibyte |
|  | A unit of information equal to 2 to the power of 30 bytes. |
| E63 | mebibyte |
|  | A unit of information equal to 2 to the power of 20 bytes. |
| E64 | kibibyte |
|  | A unit of information equal to 2 to the power of 10 bytes. |
| E65 | exbibit per metre |
|  | A unit of information equal to 2 to the power of 60 bits (binary digits) per metre. |
| E66 | exbibit per square metre |
|  | A unit of information equal to 2 to the power of 60 bits (binary digits) per square metre. |
| E67 | exbibit per cubic metre |
|  | A unit of information equal to 2 to the power of 60 bits (binary digits) per cubic metre. |
| E68 | gigabyte per second |
|  | A unit of information equal to 10 to the power of 9 bytes per second. |
| E69 | gibibit per metre |
|  | A unit of information equal to 2 to the power of 30 bits (binary digits) per metre. |
| E70 | gibibit per square metre |
|  | A unit of information equal to 2 to the power of 30 bits (binary digits) per square metre. |
| E71 | gibibit per cubic metre |
|  | A unit of information equal to 2 to the power of 30 bits (binary digits) per cubic metre. |
| E72 | kibibit per metre |
|  | A unit of information equal to 2 to the power of 10 bits (binary digits) per metre. |
| E73 | kibibit per square metre |
|  | A unit of information equal to 2 to the power of 10 bits (binary digits) per square metre. |
| E74 | kibibit per cubic metre |
|  | A unit of information equal to 2 to the power of 10 bits (binary digits) per cubic metre. |
| E75 | mebibit per metre |
|  | A unit of information equal to 2 to the power of 20 bits (binary digits) per metre. |

## Used Codes

| E76 | mebibit per square metre |
| :---: | :---: |
|  | A unit of information equal to 2 to the power of 20 bits (binary digits) per square metre. |
| E77 | mebibit per cubic metre |
|  | A unit of information equal to 2 to the power of 20 bits (binary digits) per cubic metre. |
| E78 | petabit |
|  | A unit of information equal to 10 to the power of 15 bits (binary digits). |
| E79 | petabit per second |
|  | A unit of information equal to 10 to the power of 15 bits (binary digits) per second. |
| E80 | pebibit per metre |
|  | A unit of information equal to 2 to the power of 50 bits (binary digits) per metre. |
| E81 | pebibit per square metre |
|  | A unit of information equal to 2 to the power of 50 bits (binary digits) per square metre. |
| E82 | pebibit per cubic metre |
|  | A unit of information equal to 2 to the power of 50 bits (binary digits) per cubic metre. |
| E83 | terabit |
|  | A unit of information equal to 10 to the power of 12 bits (binary digits). |
| E84 | terabit per second |
|  | A unit of information equal to 10 to the power of 12 bits (binary digits) per second. |
| E85 | tebibit per metre |
|  | A unit of information equal to 2 to the power of 40 bits (binary digits) per metre. |
| E86 | tebibit per cubic metre |
|  | A unit of information equal to 2 to the power of 40 bits (binary digits) per cubic metre. |
| E87 | tebibit per square metre |
|  | A unit of information equal to 2 to the power of 40 bits (binary digits) per square metre. |
| E88 | bit per metre |
|  | A unit of information equal to 1 bit (binary digit) per metre. |
| E89 | bit per square metre |
|  | A unit of information equal to 1 bit (binary digit) per square metre. |
| E90 | reciprocal centimetre |
| E91 | reciprocal day |

## Used Codes

| E92 | cubic decimetre per hour |
| :---: | :---: |
| E93 | kilogram per hour |
| E94 | kilomole per second |
| E95 | mole per second |
| E96 | degree per second |
| E97 | millimetre per degree Celcius metre |
| E98 | degree Celsius per kelvin |
| E99 | hectopascal per bar |
| EA | each |
|  | A unit of count defining the number of items regarded as separate units. |
| EB | electronic mail box |
|  | A unit of count defining the number of electronic mail boxes. |
| EQ | equivalent gallon |
|  | A unit of volume defining the number of gallons of product produced from concentrate. |
| F01 | bit per cubic metre |
|  | A unit of information equal to 1 bit (binary digit) per cubic metre. |
| F02 | kelvin per kelvin |
| F03 | kilopascal per bar |
| F04 | millibar per bar |
| F05 | megapascal per bar |
| F06 | poise per bar |
| F07 | pascal per bar |
| F08 | milliampere per inch |
| F10 | kelvin per hour |
| F11 | kelvin per minute |
| F12 | kelvin per second |
| F13 | slug |
|  | A unit of mass. One slug is the mass accelerated at 1 foot per second per second by a force of 1 pound. |
| F14 | gram per kelvin |
| F15 | kilogram per kelvin |
| F16 | milligram per kelvin |
| F17 | pound-force per foot |
| F18 | kilogram square centimetre |

## Used Codes

| F19 | kilogram square millimetre |
| :---: | :---: |
| F20 | pound inch squared |
| F21 | pound-force inch |
| F22 | pound-force foot per ampere |
| F23 | gram per cubic decimetre |
| F24 | kilogram per kilomol |
| F25 | gram per hertz |
| F26 | gram per day |
| F27 | gram per hour |
| F28 | gram per minute |
| F29 | gram per second |
| F30 | kilogram per day |
| F31 | kilogram per minute |
| F32 | milligram per day |
| F33 | milligram per minute |
| F34 | milligram per second |
| F35 | gram per day kelvin |
| F36 | gram per hour kelvin |
| F37 | gram per minute kelvin |
| F38 | gram per second kelvin |
| F39 | kilogram per day kelvin |
| F40 | kilogram per hour kelvin |
| F41 | kilogram per minute kelvin |
| F42 | kilogram per second kelvin |
| F43 | milligram per day kelvin |
| F44 | milligram per hour kelvin |
| F45 | milligram per minute kelvin |
| F46 | milligram per second kelvin |
| F47 | newton per millimetre |
| F48 | pound-force per inch |
| F49 | rod [unit of distance] |
|  | A unit of distance equal to 5.5 yards ( 16 feet 6 inches). |
| F50 | micrometre per kelvin |

Liefermeldung

## Used Codes

| F51 | centimetre per kelvin |
| :---: | :---: |
| F52 | metre per kelvin |
| F53 | millimetre per kelvin |
| F54 | milliohm per metre |
| F55 | ohm per mile (statute mile) |
| F56 | ohm per kilometre |
| F57 | milliampere per pound-force per square inch |
| F58 | reciprocal bar |
| F59 | milliampere per bar |
| F60 | degree Celsius per bar |
| F61 | kelvin per bar |
| F62 | gram per day bar |
| F63 | gram per hour bar |
| F64 | gram per minute bar |
| F65 | gram per second bar |
| F66 | kilogram per day bar |
| F67 | kilogram per hour bar |
| F68 | kilogram per minute bar |
| F69 | kilogram per second bar |
| F70 | milligram per day bar |
| F71 | milligram per hour bar |
| F72 | milligram per minute bar |
| F73 | milligram per second bar |
| F74 | gram per bar |
| F75 | milligram per bar |
| F76 | milliampere per millimetre |
| F77 | pascal second per kelvin |
| F78 | inch of water |
| F79 | inch of mercury |
| F80 | water horse power |
|  | A unit of power defining the amount of power required to move a given volume of water against acceleration of gravity to a specified elevation (pressure head). |
| F81 | bar per kelvin |

Liefermeldung

## Used Codes

| F82 | hectopascal per kelvin |
| :---: | :---: |
| F83 | kilopascal per kelvin |
| F84 | millibar per kelvin |
| F85 | megapascal per kelvin |
| F86 | poise per kelvin |
| F87 | volt per litre minute |
| F88 | newton centimetre |
| F89 | newton metre per degree |
| F90 | newton metre per ampere |
| F91 | bar litre per second |
| F92 | bar cubic metre per second |
| F93 | hectopascal litre per second |
| F94 | hectopascal cubic metre per second |
| F95 | millibar litre per second |
| F96 | millibar cubic metre per second |
| F97 | megapascal litre per second |
| F98 | megapascal cubic metre per second |
| F99 | pascal litre per second |
| FAH | degree Fahrenheit |
|  | Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| FAR | farad |
| FBM | fibre metre |
|  | A unit of length defining the number of metres of individual fibre. |
| FC | thousand cubic foot |
|  | A unit of volume equal to one thousand cubic foot. |
| FF | hundred cubic metre |
|  | A unit of volume equal to one hundred cubic metres. |
| FH | micromole |
| FIT | failures in time |
|  | A unit of count defining the number of failures that can be expected over a specified time interval. Failure rates of semiconductor components are often specified as FIT (failures in time unit) where 1 FIT $=10$ to the power of $-9 / \mathrm{h}$. |
| FL | flake ton |
|  | A unit of mass defining the number of tons of a flaked substance (flake: a small flattish fragment). |

## Used Codes

| FOT | foot |
| :---: | :---: |
| FP | pound per square foot |
| FR | foot per minute |
| FS | foot per second |
| FTK | square foot |
| FTQ | cubic foot |
| G01 | pascal cubic metre per second |
| G04 | centimetre per bar |
| G05 | metre per bar |
| G06 | millimetre per bar |
| G08 | square inch per second |
| G09 | square metre per second kelvin |
| G10 | stokes per kelvin |
| G11 | gram per cubic centimetre bar |
| G12 | gram per cubic decimetre bar |
| G13 | gram per litre bar |
| G14 | gram per cubic metre bar |
| G15 | gram per millilitre bar |
| G16 | kilogram per cubic centimetre bar |
| G17 | kilogram per litre bar |
| G18 | kilogram per cubic metre bar |
| G19 | newton metre per kilogram |
| G2 | US gallon per minute |
| G20 | pound-force foot per pound |
| G21 | cup [unit of volume] |
| G23 | peck |
| G24 | tablespoon (US) |
| G25 | teaspoon (US) |
| G26 | stere |
| G27 | cubic centimetre per kelvin |
| G28 | litre per kelvin |
| G29 | cubic metre per kelvin |
| G3 | Imperial gallon per minute |

## Used Codes

| G30 | millilitre per kelvin |
| :---: | :---: |
| G31 | kilogram per cubic centimetre |
| G32 | ounce (avoirdupois) per cubic yard |
| G33 | gram per cubic centimetre kelvin |
| G34 | gram per cubic decimetre kelvin |
| G35 | gram per litre kelvin |
| G36 | gram per cubic metre kelvin |
| G37 | gram per millilitre kelvin |
| G38 | kilogram per cubic centimetre kelvin |
| G39 | kilogram per litre kelvin |
| G40 | kilogram per cubic metre kelvin |
| G41 | square metre per second bar |
| G42 | microsiemens per centimetre |
| G43 | microsiemens per metre |
| G44 | nanosiemens per centimetre |
| G45 | nanosiemens per metre |
| G46 | stokes per bar |
| G47 | cubic centimetre per day |
| G48 | cubic centimetre per hour |
| G49 | cubic centimetre per minute |
| G50 | gallon (US) per hour |
| G51 | litre per second |
| G52 | cubic metre per day |
| G53 | cubic metre per minute |
| G54 | millilitre per day |
| G55 | millilitre per hour |
| G56 | cubic inch per hour |
| G57 | cubic inch per minute |
| G58 | cubic inch per second |
| G59 | milliampere per litre minute |
| G60 | volt per bar |
| G61 | cubic centimetre per day kelvin |
| G62 | cubic centimetre per hour kelvin |

## Used Codes

| G63 | cubic centimetre per minute kelvin |
| :---: | :---: |
| G64 | cubic centimetre per second kelvin |
| G65 | litre per day kelvin |
| G66 | litre per hour kelvin |
| G67 | litre per minute kelvin |
| G68 | litre per second kelvin |
| G69 | cubic metre per day kelvin |
| G70 | cubic metre per hour kelvin |
| G71 | cubic metre per minute kelvin |
| G72 | cubic metre per second kelvin |
| G73 | millilitre per day kelvin |
| G74 | millilitre per hour kelvin |
| G75 | millilitre per minute kelvin |
| G76 | millilitre per second kelvin |
| G77 | millimetre to the fourth power |
| G78 | cubic centimetre per day bar |
| G79 | cubic centimetre per hour bar |
| G80 | cubic centimetre per minute bar |
| G81 | cubic centimetre per second bar |
| G82 | litre per day bar |
| G83 | litre per hour bar |
| G84 | litre per minute bar |
| G85 | litre per second bar |
| G86 | cubic metre per day bar |
| G87 | cubic metre per hour bar |
| G88 | cubic metre per minute bar |
| G89 | cubic metre per second bar |
| G90 | millilitre per day bar |
| G91 | millilitre per hour bar |
| G92 | millilitre per minute bar |
| G93 | millilitre per second bar |
| G94 | cubic centimetre per bar |
| G95 | litre per bar |

## Used Codes

| G96 | cubic metre per bar |
| :---: | :---: |
| G97 | millilitre per bar |
| G98 | microhenry per kiloohm |
| G99 | microhenry per ohm |
| GB | gallon (US) per day |
| GBQ | gigabecquerel |
| GDW | gram, dry weight <br> A unit of mass defining the number of grams of a product, disregarding the water content of the product. |
| GE | pound per gallon (US) |
| GF | gram per metre (gram per 100 centimetres) |
| GFI | gram of fissile isotope <br> A unit of mass defining the number of grams of a fissile isotope (fissile isotope: an isotope whose nucleus is able to be split when irradiated with low energy neutrons). |
| GGR | great gross <br> A unit of count defining the number of units in multiples of $1728(12 \times 12 \times$ <br> 12). |
| GIA | gill (US) |
| GIC | gram, including container <br> A unit of mass defining the number of grams of a product, including its container. |
| GII | gill (UK) |
| GIP | gram, including inner packaging <br> A unit of mass defining the number of grams of a product, including its inner packaging materials. |
| GJ | gram per millilitre |
| GL | gram per litre |
| GLD | dry gallon (US) |
| GLI | gallon (UK) |
| GLL | gallon (US) |
| GM | gram per square metre |
| GO | milligram per square metre |
| GP | milligram per cubic metre |
| GQ | microgram per cubic metre |
| GRM | gram |

## Used Codes

| GRN | grain |
| :---: | :---: |
| GRO | gross |
|  | A unit of count defining the number of units in multiples of 144 (12 $\times 12$ ). |
| GRT | gross register ton |
|  | A unit of mass equal to the total cubic footage before deductions, where 1 register ton is equal to 100 cubic feet. Refer International Convention on tonnage measurement of ships. |
| GT | gross ton |
|  | A unit of mass equal to 2240 pounds. Refer International Convention on Tonnage measurement of Ships. <br> Synonym: ton (UK) or long ton (US) (common code LTN) |
| GV | gigajoule |
| GWH | gigawatt hour |
| H03 | henry per kiloohm |
| H04 | henry per ohm |
| H05 | millihenry per kiloohm |
| H06 | millihenry per ohm |
| H07 | pascal second per bar |
| H08 | microbecquerel |
| H09 | reciprocal year |
| H10 | reciprocal hour |
| H11 | reciprocal month |
| H12 | degree Celsius per hour |
| H13 | degree Celsius per minute |
| H14 | degree Celsius per second |
| H15 | square centimetre per gram |
| H16 | square decametre |
|  | Synonym: are |
| H18 | square hectometre |
|  | Synonym: hectare |
| H19 | cubic hectometre |
| H20 | cubic kilometre |
| H21 | blank |
|  | A unit of count defining the number of blanks. |
| H22 | volt square inch per pound-force |
| H23 | volt per inch |

Used Codes

| H24 | volt per microsecond |
| :---: | :---: |
| H25 | percent per kelvin |
|  | A unit of proportion, equal to 0.01, in relation to the SI base unit Kelvin. |
| H26 | ohm per metre |
| H27 | degree per metre |
| H28 | microfarad per kilometre |
| H29 | microgram per litre |
| H30 | square micrometre (square micron) |
| H31 | ampere per kilogram |
| H32 | ampere squared second |
| H33 | farad per kilometre |
| H34 | hertz metre |
| H35 | kelvin metre per watt |
| H36 | megaohm per kilometre |
| H37 | megaohm per metre |
| H38 | megaampere |
| H39 | megahertz kilometre |
| H40 | newton per ampere |
| H41 | newton metre watt to the power minus 0,5 |
| H42 | pascal per metre |
| H43 | siemens per centimetre |
| H44 | teraohm |
| H45 | volt second per metre |
| H46 | volt per second |
| H47 | watt per cubic metre |
| H48 | attofarad |
| H49 | centimetre per hour |
| H50 | reciprocal cubic centimetre |
| H51 | decibel per kilometre |
| H52 | decibel per metre |
| H53 | kilogram per bar |
| H54 | kilogram per cubic decimetre kelvin |
| H55 | kilogram per cubic decimetre bar |

## Used Codes

| H56 | kilogram per square metre second |
| :---: | :---: |
| H57 | inch per two pi radiant |
| H58 | metre per volt second |
| H59 | square metre per newton |
| H60 | cubic metre per cubic metre |
| H61 | millisiemens per centimetre |
| H62 | millivolt per minute |
| H63 | milligram per square centimetre |
| H64 | milligram per gram |
| H65 | millilitre per cubic metre |
| H66 | millimetre per year |
| H67 | millimetre per hour |
| H68 | millimole per gram |
| H69 | picopascal per kilometre |
| H70 | picosecond |
| H71 | percent per month |
|  | A unit of proportion, equal to 0.01, in relation to a month. |
| H72 | percent per hectobar |
|  | A unit of proportion, equal to 0.01 , in relation to 100 -fold of the unit bar. |
| H73 | percent per decakelvin |
|  | A unit of proportion, equal to 0.01 , in relation to 10 -fold of the SI base unit Kelvin. |
| H74 | watt per metre |
| H75 | decapascal |
| H76 | gram per millimetre |
| H77 | module width |
|  | A unit of measure used to describe the breadth of electronic assemblies as an installation standard or mounting dimension. |
| H78 | conventional centimetre of water |
| H79 | Charrière |
|  | A unit of distance used for measuring the diameter of small tubes such as urological instruments and catheters. <br> Synonym: French, French gauge, Charrière gauge |
| H80 | rack unit |
|  | A unit of measure used to describe the height in rack units of equipment intended for mounting in a 19 -inch rack or a 23 -inch rack. One rack unit is 1 . 75 inches ( 44.45 mm ) high. |

## Used Codes

| H81 | millimetre per minute |
| :---: | :---: |
| H82 | big point |
|  | A unit of length defining the number of big points (big point: Adobe software(US) defines the big point to be exactly $1 / 72$ inch ( 0.0138889 inch or 0.3527778 millimeters)) |
| H83 | litre per kilogram |
| H84 | gram millimetre |
| H85 | reciprocal week |
| H87 | piece |
|  | A unit of count defining the number of pieces (piece: a single item, article or exemplar). |
| H88 | megaohm kilometre |
| H89 | percent per ohm |
|  | A unit of proportion, equal to 0.01, in relation to the SI derived unit ohm. |
| H90 | percent per degree |
|  | A unit of proportion, equal to 0.01 , in relation to an angle of one degree. |
| H91 | percent per ten thousand |
|  | A unit of proportion, equal to 0.01 , in relation to multiples of ten thousand. |
| H92 | percent per one hundred thousand |
|  | A unit of proportion, equal to 0.01 , in relation to multiples of one hundred thousand. |
| H93 | percent per hundred |
|  | A unit of proportion, equal to 0.01, in relation to multiples of one hundred. |
| H94 | percent per thousand |
|  | A unit of proportion, equal to 0.01, in relation to multiples of one thousand. |
| H95 | percent per volt |
|  | A unit of proportion, equal to 0.01, in relation to the SI derived unit volt. |
| H96 | percent per bar |
|  | A unit of proportion, equal to 0.01 , in relation to an atmospheric pressure of one bar. |
| H98 | percent per inch |
|  | A unit of proportion, equal to 0.01, in relation to an inch. |
| H99 | percent per metre |
|  | A unit of proportion, equal to 0.01 , in relation to a metre. |
| HA | hank |
|  | A unit of length, typically for yarn. |
| HAR | hectare |
|  | Synonym: square hectometre |

## Used Codes

| HBA | hectobar |
| :---: | :---: |
| HBX | hundred boxes |
|  | A unit of count defining the number of boxes in multiples of one hundred box units. |
| HC | hundred count |
|  | A unit of count defining the number of units counted in multiples of 100. |
| HDW | hundred kilogram, dry weight |
|  | A unit of mass defining the number of hundred kilograms of a product, disregarding the water content of the product. |
| HEA | head |
|  | A unit of count defining the number of heads (head: a person or animal considered as one of a number). |
| HGM | hectogram |
| HH | hundred cubic foot |
|  | A unit of volume equal to one hundred cubic foot. |
| HIU | hundred international unit |
|  | A unit of count defining the number of international units in multiples of 100 . |
| HJ | metric horse power |
| HKM | hundred kilogram, net mass |
|  | A unit of mass defining the number of hundred kilograms of a product, after deductions. |
| HLT | hectolitre |
| HM | mile per hour (statute mile) |
| HMQ | million cubic metre |
|  | A unit of volume equal to one million cubic metres. |
| HMT | hectometre |
| HN | conventional millimetre of mercury |
| HP | conventional millimetre of water |
| HPA | hectolitre of pure alcohol |
|  | A unit of volume equal to one hundred litres of pure alcohol. |
| HTZ | hertz |
| HUR | hour |
| IA | inch pound (pound inch) |
| IE | person |
|  | A unit of count defining the number of persons. |
| INH | inch |
| INK | square inch |

## Used Codes

| INQ | cubic inch |
| :---: | :---: |
|  | Synonym: inch cubed |
| ISD | international sugar degree |
|  | A unit of measure defining the sugar content of a solution, expressed in degrees. |
| IU | inch per second |
| IV | inch per second squared |
| J10 | percent per millimetre |
|  | A unit of proportion, equal to 0.01, in relation to a millimetre. |
| J12 | per mille per psi |
|  | A unit of pressure equal to one thousandth of a psi (pound-force per square inch). |
| J13 | degree API |
|  | A unit of relative density as a measure of how heavy or light a petroleum liquid is compared to water (API: American Petroleum Institute). |
| J14 | degree Baume (origin scale) |
|  | A traditional unit of relative density for liquids. Named after Antoine Baumé. |
| J15 | degree Baume (US heavy) |
|  | A unit of relative density for liquids heavier than water. |
| J16 | degree Baume (US light) |
|  | A unit of relative density for liquids lighter than water. |
| $J 17$ | degree Balling |
|  | A unit of density as a measure of sugar content, especially of beer wort. Named after Karl Balling. |
| J18 | degree Brix |
|  | A unit of proportion used in measuring the dissolved sugar-to-water mass ratio of a liquid. Named after Adolf Brix. |
| J19 | degree Fahrenheit hour square foot per British thermal unit (thermochemical) |
| J2 | joule per kilogram |
| J20 | degree Fahrenheit per kelvin |
| J21 | degree Fahrenheit per bar |
| J22 | degree Fahrenheit hour square foot per British thermal unit (international table) |
| 323 | degree Fahrenheit per hour |
| J24 | degree Fahrenheit per minute |
| J25 | degree Fahrenheit per second |
| J26 | reciprocal degree Fahrenheit |

## Used Codes

|  | degree Oechsle <br> A unit of density as a measure of sugar content of must, the unfermented <br> liqueur from which wine is made. Named after Ferdinand Oechsle. |
| :--- | :--- |
| degree Rankine per hour |  |
| degree Rankine per minute |  |
| degree Rankine per second |  |
| degree Twaddell |  |$\quad$| A unit of density for liquids that are heavier than water. 1 degree Twaddle |
| :--- |
| represents a difference in specific gravity of 0.005. |

## Used Codes

| J54 | megabaud |
| :---: | :---: |
|  | A unit of signal transmission speed equal to 10 to the power of 6 (1000000) signaling events per second. |
| J55 | watt second |
| J56 | bar per bar |
| J57 | barrel (UK petroleum) |
| J58 | barrel (UK petroleum) per minute |
| J59 | barrel (UK petroleum) per day |
| J60 | barrel (UK petroleum) per hour |
| J61 | barrel (UK petroleum) per second |
| J62 | barrel (US petroleum) per hour |
| J63 | barrel (US petroleum) per second |
| J64 | bushel (UK) per day |
| J65 | bushel (UK) per hour |
| J66 | bushel (UK) per minute |
| J67 | bushel (UK) per second |
| J68 | bushel (US dry) per day |
| J69 | bushel (US dry) per hour |
| J70 | bushel (US dry) per minute |
| J71 | bushel (US dry) per second |
| J72 | centinewton metre |
| J73 | centipoise per kelvin |
| J74 | centipoise per bar |
| J75 | calorie (mean) |
| J76 | calorie (international table) per gram degree Celsius |
| J78 | calorie (thermochemical) per centimetre second degree Celsius |
| 379 | calorie (thermochemical) per gram degree Celsius |
| J81 | calorie (thermochemical) per minute |
| J82 | calorie (thermochemical) per second |
| J83 | clo |
| J84 | centimetre per second kelvin |
| J85 | centimetre per second bar |
| J87 | cubic centimetre per cubic metre |
| J89 | centimetre of mercury |

## Used Codes

| J90 | cubic decimetre per day |
| :---: | :---: |
| J91 | cubic decimetre per cubic metre |
| 192 | cubic decimetre per minute |
| J93 | cubic decimetre per second |
| J94 | dyne centimetre |
| J95 | ounce (UK fluid) per day |
| J96 | ounce (UK fluid) per hour |
| 197 | ounce (UK fluid) per minute |
| J98 | ounce (UK fluid) per second |
| J99 | ounce (US fluid) per day |
| JE | joule per kelvin |
| JK | megajoule per kilogram |
| JM | megajoule per cubic metre |
| JNT | pipeline joint <br> A count of the number of pipeline joints. |
| Jou | joule |
| JPS | hundred metre <br> A unit of count defining the number of 100 metre lengths. |
| JWL | number of jewels <br> A unit of count defining the number of jewels (jewel: precious stone). |
| K1 | kilowatt demand <br> A unit of measure defining the power load measured at predetermined intervals. |
| K10 | ounce (US fluid) per hour |
| K11 | ounce (US fluid) per minute |
| K12 | ounce (US fluid) per second |
| K13 | foot per degree Fahrenheit |
| K14 | foot per hour |
| K15 | foot pound-force per hour |
| K16 | foot pound-force per minute |
| K17 | foot per psi |
| K18 | foot per second degree Fahrenheit |
| K19 | foot per second psi |

## Used Codes

| K2 | kilovolt ampere reactive demand |
| :---: | :---: |
|  | A unit of measure defining the reactive power demand equal to one kilovolt ampere of reactive power. |
| K20 | reciprocal cubic foot |
| K21 | cubic foot per degree Fahrenheit |
| K22 | cubic foot per day |
| K23 | cubic foot per psi |
| K24 | foot of water |
| K25 | foot of mercury |
| K26 | gallon (UK) per day |
| K27 | gallon (UK) per hour |
| K28 | gallon (UK) per second |
| K3 | kilovolt ampere reactive hour |
|  | A unit of measure defining the accumulated reactive energy equal to one kilovolt ampere of reactive power per hour. |
| K30 | gallon (US liquid) per second |
| K31 | gram-force per square centimetre |
| K32 | gill (UK) per day |
| K33 | gill (UK) per hour |
| K34 | gill (UK) per minute |
| K35 | gill (UK) per second |
| K36 | gill (US) per day |
| K37 | gill (US) per hour |
| K38 | gill (US) per minute |
| K39 | gill (US) per second |
| K40 | standard acceleration of free fall |
| K41 | grain per gallon (US) |
| K42 | horsepower (boiler) |
| K43 | horsepower (electric) |
| K45 | inch per degree Fahrenheit |
| K46 | inch per psi |
| K47 | inch per second degree Fahrenheit |
| K48 | inch per second psi |
| K49 | reciprocal cubic inch |

## Used Codes

| K5 |  |
| :---: | :---: |
|  | Use kilovar (common code KVR) |
| K50 | kilobaud |
|  | A unit of signal transmission speed equal to 10 to the power of 3 (1000) signaling events per second. |
| K51 | kilocalorie (mean) |
| K52 | kilocalorie (international table) per hour metre degree Celsius |
| K53 | kilocalorie (thermochemical) |
| K54 | kilocalorie (thermochemical) per minute |
| K55 | kilocalorie (thermochemical) per second |
| K58 | kilomole per hour |
| K59 | kilomole per cubic metre kelvin |
| K6 | kilolitre |
| K60 | kilomole per cubic metre bar |
| K61 | kilomole per minute |
| K62 | litre per litre |
| K63 | reciprocal litre |
| K64 | pound (avoirdupois) per degree Fahrenheit |
| K65 | pound (avoirdupois) square foot |
| K66 | pound (avoirdupois) per day |
| K67 | pound per foot hour |
| K68 | pound per foot second |
| K69 | pound (avoirdupois) per cubic foot degree Fahrenheit |
| K70 | pound (avoirdupois) per cubic foot psi |
| K71 | pound (avoirdupois) per gallon (UK) |
| K73 | pound (avoirdupois) per hour degree Fahrenheit |
| K74 | pound (avoirdupois) per hour psi |
| K75 | pound (avoirdupois) per cubic inch degree Fahrenheit |
| K76 | pound (avoirdupois) per cubic inch psi |
| K77 | pound (avoirdupois) per psi |
| K78 | pound (avoirdupois) per minute |
| K79 | pound (avoirdupois) per minute degree Fahrenheit |
| K80 | pound (avoirdupois) per minute psi |
| K81 | pound (avoirdupois) per second |

## Used Codes

| K82 | pound (avoirdupois) per second degree Fahrenheit |
| :---: | :---: |
| K83 | pound (avoirdupois) per second psi |
| K84 | pound per cubic yard |
| K85 | pound-force per square foot |
| K86 | pound-force per square inch degree Fahrenheit |
| K87 | psi cubic inch per second |
| K88 | psi litre per second |
| K89 | psi cubic metre per second |
| K90 | psi cubic yard per second |
| K91 | pound-force second per square foot |
| K92 | pound-force second per square inch |
| K93 | reciprocal psi |
| K94 | quart (UK liquid) per day |
| K95 | quart (UK liquid) per hour |
| K96 | quart (UK liquid) per minute |
| K97 | quart (UK liquid) per second |
| K98 | quart (US liquid) per day |
| K99 | quart (US liquid) per hour |
| KA | cake |
|  | A unit of count defining the number of cakes (cake: object shaped into a flat, compact mass). |
| KAT | katal |
|  | A unit of catalytic activity defining the catalytic activity of enzymes and other catalysts. |
| KB | kilocharacter |
|  | A unit of information equal to 10 to the power of 3 (1000) characters. |
| KBA | kilobar |
| KCC | kilogram of choline chloride |
|  | A unit of mass equal to one thousand grams of choline chloride. |
| KDW | kilogram drained net weight |
|  | A unit of mass defining the net number of kilograms of a product, disregarding the liquid content of the product. |
| KEL | kelvin |
|  | Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| KGM | kilogram |
|  | A unit of mass equal to one thousand grams. |

## Used Codes

| KGS | kilogram per second |
| :---: | :---: |
| KHY | kilogram of hydrogen peroxide |
|  | A unit of mass equal to one thousand grams of hydrogen peroxide. |
| KHZ | kilohertz |
| KI | kilogram per millimetre width |
| KIC | kilogram, including container |
|  | A unit of mass defining the number of kilograms of a product, including its container. |
| KIP | kilogram, including inner packaging |
|  | A unit of mass defining the number of kilograms of a product, including its inner packaging materials. |
| KJ | kilosegment |
|  | A unit of information equal to 10 to the power of $3(1000)$ segments. |
| KJO | kilojoule |
| KL | kilogram per metre |
| KLK | lactic dry material percentage |
|  | A unit of proportion defining the percentage of dry lactic material in a product. |
| KLX | kilolux |
|  | A unit of illuminance equal to one thousand lux. |
| KMA | kilogram of methylamine |
|  | A unit of mass equal to one thousand grams of methylamine. |
| KMH | kilometre per hour |
| KMK | square kilometre |
| KMQ | kilogram per cubic metre |
|  | A unit of weight expressed in kilograms of a substance that fills a volume of one cubic metre. |
| KMT | kilometre |
| KNI | kilogram of nitrogen |
|  | A unit of mass equal to one thousand grams of nitrogen. |
| KNM | kilonewton per square metre |
|  | Pressure expressed in kN/m2. |
| KNS | kilogram named substance |
|  | A unit of mass equal to one kilogram of a named substance. |
| KNT | knot |

Liefermeldung

## Used Codes

| KO | milliequivalence caustic potash per gram of product |
| :---: | :---: |
|  | A unit of count defining the number of milligrams of potassium hydroxide per gram of product as a measure of the concentration of potassium hydroxide in the product. |
| KPA | kilopascal |
| KPH | kilogram of potassium hydroxide (caustic potash) |
|  | A unit of mass equal to one thousand grams of potassium hydroxide (caustic potash). |
| KPO | kilogram of potassium oxide |
|  | A unit of mass equal to one thousand grams of potassium oxide. |
| KPP | kilogram of phosphorus pentoxide (phosphoric anhydride) |
|  | A unit of mass equal to one thousand grams of phosphorus pentoxide phosphoric anhydride. |
| KR | kiloroentgen |
| KSD | kilogram of substance $90 \%$ dry |
|  | A unit of mass equal to one thousand grams of a named substance that is $90 \%$ dry. |
| KSH | kilogram of sodium hydroxide (caustic soda) |
|  | A unit of mass equal to one thousand grams of sodium hydroxide (caustic soda). |
| KT | kit |
|  | A unit of count defining the number of kits (kit: tub, barrel or pail). |
| KTN | kilotonne |
| KUR | kilogram of uranium |
|  | A unit of mass equal to one thousand grams of uranium. |
| KVA | kilovolt - ampere |
| KVR | kilovar |
| KVT | kilovolt |
| KW | kilogram per millimetre |
| KWH | kilowatt hour |
| KWN | Kilowatt hour per normalized cubic metre |
|  | Kilowatt hour per normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 101325 millibars ). |
| KWO | kilogram of tungsten trioxide |
|  | A unit of mass equal to one thousand grams of tungsten trioxide. |
| KWS | Kilowatt hour per standard cubic metre |
|  | Kilowatt hour per standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 101325 millibars). |

## Used Codes

| KWT | kilowatt |
| :---: | :---: |
| KX | millilitre per kilogram |
| L10 | quart (US liquid) per minute |
| L11 | quart (US liquid) per second |
| L12 | metre per second kelvin |
| L13 | metre per second bar |
| L14 | square metre hour degree Celsius per kilocalorie (international table) |
| L15 | millipascal second per kelvin |
| L16 | millipascal second per bar |
| L17 | milligram per cubic metre kelvin |
| L18 | milligram per cubic metre bar |
| L19 | millilitre per litre |
| L2 | litre per minute |
| L20 | reciprocal cubic millimetre |
| L21 | cubic millimetre per cubic metre |
| L23 | mole per hour |
| L24 | mole per kilogram kelvin |
| L25 | mole per kilogram bar |
| L26 | mole per litre kelvin |
| L27 | mole per litre bar |
| L28 | mole per cubic metre kelvin |
| L29 | mole per cubic metre bar |
| L30 | mole per minute |
| L31 | milliroentgen aequivalent men |
| L32 | nanogram per kilogram |
| L33 | ounce (avoirdupois) per day |
| L34 | ounce (avoirdupois) per hour |
| L35 | ounce (avoirdupois) per minute |
| L36 | ounce (avoirdupois) per second |
| L37 | ounce (avoirdupois) per gallon (UK) |
| L38 | ounce (avoirdupois) per gallon (US) |
| L39 | ounce (avoirdupois) per cubic inch |
| L40 | ounce (avoirdupois)-force |

## Used Codes

| L41 | ounce (avoirdupois)-force inch |
| :---: | :---: |
| L42 | picosiemens per metre |
| L43 | peck (UK) |
| L44 | peck (UK) per day |
| L45 | peck (UK) per hour |
| L46 | peck (UK) per minute |
| L47 | peck (UK) per second |
| L48 | peck (US dry) per day |
| L49 | peck (US dry) per hour |
| L50 | peck (US dry) per minute |
| L51 | peck (US dry) per second |
| L52 | psi per psi |
| L53 | pint (UK) per day |
| L54 | pint (UK) per hour |
| L55 | pint (UK) per minute |
| L56 | pint (UK) per second |
| L57 | pint (US liquid) per day |
| L58 | pint (US liquid) per hour |
| L59 | pint (US liquid) per minute |
| L60 | pint (US liquid) per second |
| L63 | slug per day |
| L64 | slug per foot second |
| L65 | slug per cubic foot |
| L66 | slug per hour |
| L67 | slug per minute |
| L68 | slug per second |
| L69 | tonne per kelvin |
| L70 | tonne per bar |
| L71 | tonne per day |
| L72 | tonne per day kelvin |
| L73 | tonne per day bar |
| L74 | tonne per hour kelvin |
| L75 | tonne per hour bar |

## Used Codes

| L76 | tonne per cubic metre kelvin |
| :---: | :---: |
| L77 | tonne per cubic metre bar |
| L78 | tonne per minute |
| L79 | tonne per minute kelvin |
| L80 | tonne per minute bar |
| L81 | tonne per second |
| L82 | tonne per second kelvin |
| L83 | tonne per second bar |
| L84 | ton (UK shipping) |
| L85 | ton long per day |
| L86 | ton (US shipping) |
| L87 | ton short per degree Fahrenheit |
| L88 | ton short per day |
| L89 | ton short per hour degree Fahrenheit |
| L90 | ton short per hour psi |
| L91 | ton short per psi |
| L92 | ton (UK long) per cubic yard |
| L93 | ton (US short) per cubic yard |
| L94 | ton-force (US short) |
| L95 | common year |
| L96 | sidereal year |
| L98 | yard per degree Fahrenheit |
| L99 | yard per psi |
| LA | pound per cubic inch |
| LAC | lactose excess percentage |
|  | A unit of proportion defining the percentage of lactose in a product that exceeds a defined percentage level. |
| LBR | pound |
| LBT | troy pound (US) |
| LD | litre per day |
| LEF | leaf |
|  | A unit of count defining the number of leaves. |
| LF | linear foot |
|  | A unit of count defining the number of feet (12-inch) in length of a uniform width object. |

## Used Codes

| LH | labour hour <br> A unit of time defining the number of labour hours. |
| :---: | :---: |
| LK | link |
|  | A unit of distance equal to 0.01 chain. |
| LM | linear metre |
|  | A unit of count defining the number of metres in length of a uniform width object. |
| LN | length |
|  | A unit of distance defining the linear extent of an item measured from end to end. |
| LO | lot [unit of procurement] |
|  | A unit of count defining the number of lots (lot: a collection of associated items). |
| LP | liquid pound |
|  | A unit of mass defining the number of pounds of a liquid substance. |
| LPA | litre of pure alcohol |
|  | A unit of volume equal to one litre of pure alcohol. |
| LR | layer |
|  | A unit of count defining the number of layers. |
| LS | lump sum |
|  | A unit of count defining the number of whole or a complete monetary amounts. |
| LTN | ton (UK) or long ton (US) |
|  | Synonym: gross ton ( 2240 lb ) |
| LTR | litre |
| LUB | metric ton, lubricating oil |
|  | A unit of mass defining the number of metric tons of lubricating oil. |
| LUM | lumen |
| LUX | lux |
| LY | linear yard |
|  | A unit of count defining the number of 36 -inch units in length of a uniform width object. |
| M1 | milligram per litre |
| M10 | reciprocal cubic yard |
| M11 | cubic yard per degree Fahrenheit |
| M12 | cubic yard per day |
| M13 | cubic yard per hour |
| M14 | cubic yard per psi |

## Used Codes

| M15 | cubic yard per minute |
| :---: | :---: |
| M16 | cubic yard per second |
| M17 | kilohertz metre |
| M18 | gigahertz metre |
| M19 | Beaufort |
|  | An empirical measure for describing wind speed based mainly on observed sea conditions. The Beaufort scale indicates the wind speed by numbers that typically range from 0 for calm, to 12 for hurricane. |
| M20 | reciprocal megakelvin or megakelvin to the power minus one |
| M21 | reciprocal kilovolt - ampere reciprocal hour |
| M22 | millilitre per square centimetre minute |
| M23 | newton per centimetre |
| M24 | ohm kilometre |
| M25 | percent per degree Celsius |
|  | A unit of proportion, equal to 0.01, in relation to a temperature of one degree. |
| M26 | gigaohm per metre |
| M27 | megahertz metre |
| M29 | kilogram per kilogram |
| M30 | reciprocal volt - ampere reciprocal second |
| M31 | kilogram per kilometre |
| M32 | pascal second per litre |
| M33 | millimole per litre |
| M34 | newton metre per square metre |
| M35 | millivolt - ampere |
| M36 | 30-day month |
|  | A unit of count defining the number of months expressed in multiples of 30 days, one day equals 24 hours. |
| M37 | actual/360 |
|  | A unit of count defining the number of years expressed in multiples of 360 days, one day equals 24 hours. |
| M38 | kilometre per second squared |
|  | 1000 -fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2. |
| M39 | centimetre per second squared |
|  | 0,01 -fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2 . |

## Used Codes

| M4 | monetary value |
| :---: | :---: |
|  | A unit of measure expressed as a monetary amount. |
| M40 | yard per second squared |
|  | Unit of the length according to the Anglo-American and Imperial system of units divided by the power of the SI base unit second by exponent 2. |
| M41 | millimetre per second squared |
|  | 0,001 -fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2 . |
| M42 | mile (statute mile) per second squared |
|  | Unit of the length according to the Imperial system of units divided by the power of the SI base unit second by exponent 2. |
| M43 | mil |
|  | Unit to indicate an angle at military zone, equal to the 6400th part of the full circle of the $360^{\circ}$ or $2 \cdot p \cdot \mathrm{rad}$. |
| M44 | revolution |
|  | Unit to identify an angle of the full circle of $360^{\circ}$ or $2 \cdot p \cdot$ rad (Refer ISO/TC12 SI Guide). |
| M45 | degree [unit of angle] per second squared |
|  | 360 part of a full circle divided by the power of the SI base unit second and the exponent 2. |
| M46 | revolution per minute |
|  | Unit of the angular velocity. |
| M47 | circular mil |
|  | Unit of an area, of which the size is given by a diameter of length of $1 \mathrm{~mm}(0$, 001 in ) based on the formula: area $=\mathrm{p} \cdot(\text { diameter } / 2)^{2}$. |
| M48 | square mile (based on U.S. survey foot) |
|  | Unit of the area, which is mainly common in the agriculture and forestry. |
| M49 | chain (based on U.S. survey foot) |
|  | Unit of the length according the Anglo-American system of units. |
| M5 | microcurie |
| M50 | furlong |
|  | Unit commonly used in Great Britain at rural distances: 1 furlong $=40$ rods $=$ 10 chains (UK) $=1 / 8$ mile $=1 / 10$ furlong $=220$ yards $=660$ foot. |
| M51 | foot (U.S. survey) |
|  | Unit commonly used in the United States for ordnance survey. |
| M52 | mile (based on U.S. survey foot) |
|  | Unit commonly used in the United States for ordnance survey. |
| M53 | metre per pascal |
|  | SI base unit metre divided by the derived SI unit pascal. |

## Used Codes

| M55 | metre per radiant <br> Unit of the translation factor for implementation from rotation to linear <br> movement. |
| :--- | :--- |
| shake |  |
| Unit for a very short period. |  |
| mile per minute |  |
| Unit of velocity from the Imperial system of units. |  |

## Used Codes

| M70 | tran, register <br> Traditional unit of the cargo capacity. |
| :--- | :--- |
| M71 |  |
| cubic metre per pascal |  |
| Power of the SI base unit meter by exponent 3 divided by the derived SI base |  |
| unit pascal. |  |

## Used Codes

| M84 | pound per yard |
| :---: | :---: |
|  | Unit for linear mass according to avoirdupois system of units. |
| M85 | ton, assay |
|  | Non SI-conforming unit of the mass used in the mineralogy to determine the concentration of precious metals in ore according to the mass of the precious metal in milligrams in a sample of the mass of an assay sound (number of troy ounces in a short ton (1 000 lb$)$ ). |
| M86 | pfund |
|  | Outdated unit of the mass used in Germany. |
| M87 | kilogram per second pascal |
|  | SI base unit kilogram divided by the product of the SI base unit second and the derived SI unit pascal. |
| M88 | tonne per month |
|  | Unit tonne divided by the unit month. |
| M89 | tonne per year |
|  | Unit tonne divided by the unit year with 365 days. |
| M9 | million Btu per 1000 cubic foot |
| M90 | kilopound per hour |
|  | 1000-fold of the unit of the mass avoirdupois pound according to the avoirdupois unit system divided by the unit hour. |
| M91 | pound per pound |
|  | Proportion of the mass consisting of the avoirdupois pound according to the avoirdupois unit system divided by the avoirdupois pound according to the avoirdupois unit system. |
| M92 | pound-force foot |
|  | Product of the unit pound-force according to the Anglo-American system of units and the unit foot according to the Anglo-American and the Imperial system of units. |
| M93 | newton metre per radian |
|  | Product of the derived SI unit newton and the SI base unit metre divided by the unit radian. |
| M94 | kilogram metre |
|  | Unit of imbalance as a product of the SI base unit kilogram and the SI base unit metre. |
| M95 | poundal foot |
|  | Product of the non SI-conforming unit of the force poundal and the unit foot according to the Anglo-American and Imperial system of units . |
| M96 | poundal inch |
|  | Product of the non SI-conforming unit of the force poundal and the unit inch according to the Anglo-American and Imperial system of units . |

## Used Codes

| M97 | dyne metre <br> CGS (Centimetre-Gram-Second system) unit of the rotational moment. <br> kilogram centimetre per second <br> Product of the SI base unit kilogram and the 0,01-fold of the SI base unit <br> metre divided by the SI base unit second. |
| :--- | :--- |
| gram centimetre per second <br> Product of the 0,001-fold of the SI base unit kilogram and the 0,01-fold of the <br> SI base unit metre divided by the SI base unit second. |  |
| MAH | megavolt ampere reactive hour <br> A unit of electrical reactive power defining the total amount of reactive power <br> across a power system. |
| Megalitre |  |

## Used Codes

| MIU | million international unit <br> A unit of count defining the number of international units in multiples of 10 to <br> the power of 6. |
| :--- | :--- |
| milliard |  |
| Synonym: billion (US) |  |

## Used Codes

| N12 | Pferdestaerke |
| :---: | :---: |
|  | Obsolete unit of the power relating to DIN 1301-3:1979: 1 PS $=735,49875$ W. |
| N13 | centimetre of mercury ( $0^{\circ} \mathrm{C}$ ) |
|  | Non SI-conforming unit of pressure, at which a value of 1 cmHg meets the static pressure, which is generated by a mercury at a temperature of $0^{\circ} \mathrm{C}$ with a height of 1 centimetre . |
| N14 | centimetre of water ( $4{ }^{\circ} \mathrm{C}$ ) |
|  | Non SI-conforming unit of pressure, at which a value of $1 \mathrm{cmH} 2 O$ meets the static pressure, which is generated by a head of water at a temperature of $4^{\circ} \mathrm{C}$ with a height of 1 centimetre . |
| N15 | foot of water (39.2 ${ }^{\circ} \mathrm{F}$ ) |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 ftH 2 O is equivalent to the static pressure, which is generated by a head of water at a temperature $39,2^{\circ} \mathrm{F}$ with a height of 1 foot . |
| N16 | inch of mercury ( $32{ }^{\circ} \mathrm{F}$ ) |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 inHg meets the static pressure, which is generated by a mercury at a temperature of $32^{\circ} \mathrm{F}$ with a height of 1 inch. |
| N17 | inch of mercury ( $60{ }^{\circ} \mathrm{F}$ ) |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 inHg meets the static pressure, which is generated by a mercury at a temperature of $60^{\circ} \mathrm{F}$ with a height of 1 inch. |
| N18 | inch of water (39.2 ${ }^{\circ} \mathrm{F}$ ) |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 inH 2 O meets the static pressure, which is generated by a head of water at a temperature of $39,2^{\circ} \mathrm{F}$ with a height of 1 inch. |
| N19 | inch of water ( $60{ }^{\circ} \mathrm{F}$ ) |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 inH 2 O meets the static pressure, which is generated by a head of water at a temperature of $60^{\circ} \mathrm{F}$ with a height of 1 inch . |
| N20 | kip per square inch |
|  | Non SI-conforming unit of the pressure according to the Anglo-American system of units as the 1000 -fold of the unit of the force pound-force divided by the power of the unit inch by exponent 2 . |
| N21 | poundal per square foot |
|  | Non SI-conforming unit of pressure by the Imperial system of units according to NIST: $1 \mathrm{pdl} / \mathrm{ft}^{2}=1,488164 \mathrm{~Pa}$. |

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## Used Codes

| N22 | ounce (avoirdupois) per square inch |
| :---: | :---: |
|  | Unit of the surface specific mass (avoirdupois ounce according to the avoirdupois system of units according to the surface square inch according to the Anglo-American and Imperial system of units). |
| N23 | conventional metre of water |
|  | Not SI-conforming unit of pressure, whereas a value of 1 mH 2 O is equivalent to the static pressure, which is produced by one metre high water column . |
| N24 | gram per square millimetre |
|  | 0,001 -fold of the SI base unit kilogram divided by the 0.000001 -fold of the power of the SI base unit meter by exponent 2 . |
| N25 | pound per square yard |
|  | Unit for areal-related mass as a unit pound according to the avoirdupois unit system divided by the power of the unit yard according to the Anglo-American and Imperial system of units with exponent 2. |
| N26 | poundal per square inch |
|  | Non SI-conforming unit of the pressure according to the Imperial system of units (poundal by square inch). |
| N27 | foot to the fourth power |
|  | Power of the unit foot according to the Anglo-American and Imperial system of units by exponent 4 according to NIST: $1 \mathrm{ft} 4=8,630975 \mathrm{~m} 4$. |
| N28 | cubic decimetre per kilogram |
|  | 0,001 fold of the power of the SI base unit meter by exponent 3 divided by the SI based unit kilogram. |
| N29 | cubic foot per pound |
|  | Power of the unit foot according to the Anglo-American and Imperial system of units by exponent 3 divided by the unit avoirdupois pound according to the avoirdupois unit system. |
| N3 | print point |
| N30 | cubic inch per pound |
|  | Power of the unit inch according to the Anglo-American and Imperial system of units by exponent 3 divided by the avoirdupois pound according to the avoirdupois unit system . |
| N31 | kilonewton per metre |
|  | 1000 -fold of the derived SI unit newton divided by the SI base unit metre. |
| N32 | poundal per inch |
|  | Non SI-conforming unit of the surface tension according to the Imperial unit system as quotient poundal by inch. |
| N33 | pound-force per yard |
|  | Unit of force per unit length based on the Anglo-American system of units. |
| N34 | poundal second per square foot |
|  | Non SI-conforming unit of viscosity. |

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## Used Codes

| N35 | poise per pascal |
| :---: | :---: |
|  | CGS (Centimetre-Gram-Second system) unit poise divided by the derived SI unit pascal. |
| N36 | newton second per square metre |
|  | Unit of the dynamic viscosity as a product of unit of the pressure (newton by square metre) multiplied with the SI base unit second. |
| N37 | kilogram per metre second |
|  | Unit of the dynamic viscosity as a quotient SI base unit kilogram divided by the SI base unit metre and by the SI base unit second. |
| N38 | kilogram per metre minute |
|  | Unit of the dynamic viscosity as a quotient SI base unit kilogram divided by the SI base unit metre and by the unit minute. |
| N39 | kilogram per metre day |
|  | Unit of the dynamic viscosity as a quotient SI base unit kilogram divided by the SI base unit metre and by the unit day. |
| N40 | kilogram per metre hour |
|  | Unit of the dynamic viscosity as a quotient SI base unit kilogram divided by the SI base unit metre and by the unit hour. |
| N41 | gram per centimetre second |
|  | Unit of the dynamic viscosity as a quotient of the 0,001 -fold of the SI base unit kilogram divided by the 0,01-fold of the SI base unit metre and SI base unit second. |
| N42 | poundal second per square inch |
|  | Non SI-conforming unit of dynamic viscosity according to the Imperial system of units as product unit of the pressure (poundal by square inch) multiplied by the SI base unit second. |
| N43 | pound per foot minute |
|  | Unit of the dynamic viscosity according to the Anglo-American unit system. |
| N44 | pound per foot day |
|  | Unit of the dynamic viscosity according to the Anglo-American unit system. |
| N45 | cubic metre per second pascal |
|  | Power of the SI base unit meter by exponent 3 divided by the product of the SI base unit second and the derived SI base unit pascal. |
| N46 | foot poundal |
|  | Unit of the work (force-path). |
| N47 | inch poundal |
|  | Unit of work (force multiplied by path) according to the Imperial system of units as a product unit inch multiplied by poundal. |
| N48 | watt per square centimetre |
|  | Derived SI unit watt divided by the power of the 0,01 -fold the SI base unit metre by exponent 2. |

## Used Codes

| N49 | watt per square inch <br> Derived SI unit watt divided by the power of the unit inch according to the <br> Anglo-American and Imperial system of units by exponent 2. |
| :--- | :--- |
| British thermal unit (international table) per square foot hour <br> Unit of the surface heat flux according to the Imperial system of units. |  |
| N50 |  |
| British thermal unit (thermochemical) per square foot hour |  |
| Unit of the surface heat flux according to the Imperial system of units. |  |$|$| British thermal unit (thermochemical) per square foot minute |
| :--- |
| Unit of the surface heat flux according to the Imperial system of units. |

## Used Codes

| N65 | kilocalorie (international table) per gram kelvin |
| :---: | :---: |
|  | Unit of the mass-related heat capacity as quotient 1000 -fold of the calorie (international table) divided by the product of the 0,001 -fold of the SI base units kilogram and kelvin. |
| N66 | British thermal unit ( $39{ }^{\circ} \mathrm{F}$ ) |
|  | Unit of heat energy according to the Imperial system of units in a reference temperature of $39^{\circ} \mathrm{F}$. |
| N67 | British thermal unit ( $59{ }^{\circ} \mathrm{F}$ ) |
|  | Unit of heat energy according to the Imperial system of units in a reference temperature of $59{ }^{\circ} \mathrm{F}$. |
| N68 | British thermal unit ( $60{ }^{\circ} \mathrm{F}$ ) |
|  | Unit of head energy according to the Imperial system of units at a reference temperature of $60{ }^{\circ} \mathrm{F}$. |
| N69 | calorie ( $20^{\circ} \mathrm{C}$ ) |
|  | Unit for quantity of heat, which is to be required for 1 g air free water at a constant pressure from $101,325 \mathrm{kPa}$, to warm up the pressure of standard atmosphere at sea level, from $19,5^{\circ} \mathrm{C}$ on $20,5^{\circ} \mathrm{C}$. |
| N70 | quad (1015 BtuIT) |
|  | Unit of heat energy according to the imperial system of units. |
| N71 | therm (EC) |
|  | Unit of heat energy in commercial use, within the EU defined: 1 thm (EC) = 100000 BtuIT. |
| N72 | therm (U.S.) |
|  | Unit of heat energy in commercial use. |
| N73 | British thermal unit (thermochemical) per pound |
|  | Unit of the heat energy according to the Imperial system of units divided the unit avoirdupois pound according to the avoirdupois system of units. |
| N74 | British thermal unit (international table) per hour square foot degree Fahrenheit |
|  | Unit of the heat transition coefficient according to the Imperial system of units. |
| N75 | British thermal unit (thermochemical) per hour square foot degree Fahrenheit Unit of the heat transition coefficient according to the imperial system of units. |
| N76 | British thermal unit (international table) per second square foot degree Fahrenheit |
|  | Unit of the heat transition coefficient according to the imperial system of units. |
| N77 | British thermal unit (thermochemical) per second square foot degree Fahrenheit |
|  | Unit of the heat transition coefficient according to the imperial system of units. |
| N78 | kilowatt per square metre kelvin |
|  | 1000 -fold of the derived SI unit watt divided by the product of the power of the SI base unit metre by exponent 2 and the SI base unit kelvin. |

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## Used Codes

| N79 | kelvin per pascal <br> SI base unit kelvin divided by the derived SI unit pascal. |
| :---: | :---: |
| N80 | watt per metre degree Celsius <br> Derived SI unit watt divided by the product of the SI base unit metre and the unit for temperature degree Celsius. |
| N81 | kilowatt per metre kelvin <br> 1000 -fold of the derived SI unit watt divided by the product of the SI base unit metre and the SI base unit kelvin. |
| N82 | kilowatt per metre degree Celsius <br> 1000 -fold of the derived SI unit watt divided by the product of the SI base unit metre and the unit for temperature degree Celsius. |
| N83 | metre per degree Celcius metre <br> SI base unit metre divided by the product of the unit degree Celsius and the SI base unit metre. |
| N84 | degree Fahrenheit hour per British thermal unit (international table) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N85 | degree Fahrenheit hour per British thermal unit (thermochemical) <br> Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N86 | degree Fahrenheit second per British thermal unit (international table) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N87 | degree Fahrenheit second per British thermal unit (thermochemical) <br> Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N88 | degree Fahrenheit hour square foot per British thermal unit (international table) inch <br> Unit of specific thermal resistance according to the Imperial system of units. |
| N89 | degree Fahrenheit hour square foot per British thermal unit (thermochemical) inch <br> Unit of specific thermal resistance according to the Imperial system of units. |
| N90 | kilofarad 1000-fold of the derived SI unit farad. |
| N91 | reciprocal joule <br> Reciprocal of the derived SI unit joule. |
| N92 | picosiemens <br> 0,000 000000001 -fold of the derived SI unit siemens. |
| N93 | ampere per pascal <br> SI base unit ampere divided by the derived SI unit pascal. |

## Used Codes

\(\left.\begin{array}{ll}franklin <br>
CGS (Centimetre-Gram-Second system) unit of the electrical charge, where <br>
the charge amounts to exactly 1 Fr where the force of 1 dyn on an equal load <br>

is performed at a distance of 1 \mathrm{~cm} .\end{array}\right]\)| ampere minute |
| :--- |
| A unit of electric charge defining the amount of charge accumulated by a |
| steady flow of one ampere for one minute.. |

## Used Codes

| NMP | number of packs |
| :---: | :---: |
|  | A unit of count defining the number of packs (pack: a collection of objects packaged together). |
| NPR | number of pairs |
|  | A unit of count defining the number of pairs (pair: item described by two's). |
| NPT | number of parts |
|  | A unit of count defining the number of parts (part: component of a larger entity). |
| NQ | mho |
| NR | micromho |
| NT | net ton |
|  | A unit of mass equal to 2000 pounds, see ton (US). Refer International Convention on tonnage measurement of Ships. |
| NTT | net register ton |
|  | A unit of mass equal to the total cubic footage after deductions, where 1 register ton is equal to 100 cubic feet. Refer International Convention on tonnage measurement of Ships. |
| NU | newton metre |
| NX | part per thousand |
|  | A unit of proportion equal to 10 to the power of -3 . Synonym: per mille |
| OA | panel |
|  | A unit of count defining the number of panels (panel: a distinct, usually rectangular, section of a surface). |
| ODE | ozone depletion equivalent |
|  | A unit of mass defining the ozone depletion potential in kilograms of a product relative to the calculated depletion for the reference substance, Trichlorofluoromethane (CFC-11). |
| OHM | ohm |
| ON | ounce per square yard |
| ONZ | ounce (avoirdupois) |
| OPM | oscillations per minute |
|  | The number of oscillations per minute. |
| OT | overtime hour |
|  | A unit of time defining the number of overtime hours. |
| OZ | ounce av |
|  | A unit of measure equal to $1 / 16$ of a pound or about 28.3495 grams (av = avoirdupois). Use ounce (common code ONZ). |
| OZA | fluid ounce (US) |

## Used Codes

fluid ounce (UK)
percent
A unit of proportion equal to 0.01.
coulomb per metre
Derived SI unit coulomb divided by the SI base unit metre.
kiloweber
1000 fold of the derived SI unit weber.

## Used Codes

| P25 | lumen per square foot |
| :---: | :---: |
|  | Derived SI unit lumen divided by the power of the unit foot according to the Anglo-American and Imperial system of units by exponent 2. |
| P26 | phot |
|  | CGS (Centimetre-Gram-Second system) unit of luminance, defined as lumen by square centimetre. |
| P27 | footcandle |
|  | Non SI conform traditional unit, defined as density of light which impinges on a surface which has a distance of one foot from a light source, which shines with an intensity of an international candle. |
| P28 | candela per square inch |
|  | SI base unit candela divided by the power of unit inch according to the AngloAmerican and Imperial system of units by exponent 2. |
| P29 | footlambert |
|  | Unit of the luminance according to the Anglo-American system of units, defined as emitted or reflected luminance of a $\mathrm{Im} / \mathrm{ft}^{2}$. |
| P30 | lambert |
|  | CGS (Centimetre-Gram-Second system) unit of luminance, defined as the emitted or reflected luminance by one lumen per square centimetre. |
| P31 | stilb |
|  | CGS (Centimetre-Gram-Second system) unit of luminance, defined as emitted or reflected luminance by one lumen per square centimetre. |
| P32 | candela per square foot |
|  | Base unit SI candela divided by the power of the unit foot according to the Anglo-American and Imperial system of units by exponent 2. |
| P33 | kilocandela |
|  | 1000 -fold of the SI base unit candela. |
| P34 | millicandela |
|  | 0,001-fold of the SI base unit candela. |
| P35 | Hefner-Kerze |
|  | Obsolete, non-legal unit of the power in Germany relating to DIN 1301-3: 1979: $1 \mathrm{HK}=0,903 \mathrm{~cd}$. |
| P36 | international candle |
|  | Obsolete, non-legal unit of the power in Germany relating to DIN 1301-3: 1979: $1 \mathrm{HK}=1,019 \mathrm{~cd}$. |
| P37 | British thermal unit (international table) per square foot |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |
| P38 | British thermal unit (thermochemical) per square foot |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |

## Used Codes

| P39 | calorie (thermochemical) per square centimetre |
| :---: | :---: |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |
| P40 | langley |
|  | CGS (Centimetre-Gram-Second system) unit of the areal-related energy transmission (as a measure of the incident quantity of heat of solar radiation on the earth's surface). |
| P41 | decade (logarithmic) |
|  | 1 Dec: $=\log 210 \sim 3,32$ according to the logarithm for frequency range between f 1 and f 2 , when $\mathrm{f} 2 / \mathrm{f} 1=10$. |
| P42 | pascal squared second |
|  | Unit of the set as a product of the power of derived SI unit pascal with exponent 2 and the SI base unit second. |
| P43 | bel per metre |
|  | Unit bel divided by the SI base unit metre. |
| P44 | pound mole |
|  | Non SI-conforming unit of quantity of a substance relating that one pound mole of a chemical composition corresponds to the same number of pounds as the molecular weight of one molecule of this composition in atomic mass units. |
| P45 | pound mole per second |
|  | Non SI-conforming unit of the power of the amount of substance non-SI compliant unit of the molar flux relating that a pound mole of a chemical composition the same number of pound corresponds like the molecular weight of a molecule of this composition in atomic mass units. |
| P46 | pound mole per minute |
|  | Non SI-conforming unit of the power of the amount of substance non-SI compliant unit of the molar flux relating that a pound mole of a chemical composition the same number of pound corresponds like the molecular weight of a molecule of this composition in atomic mass units. |
| P47 | kilomole per kilogram |
|  | 1000 -fold of the SI base unit mol divided by the SI base unit kilogram. |
| P48 | pound mole per pound |
|  | Non SI-conforming unit of the material molar flux divided by the avoirdupois pound for mass according to the avoirdupois unit system. |
| P49 | newton square metre per ampere |
|  | Product of the derived SI unit newton and the power of SI base unit metre with exponent 2 divided by the SI base unit ampere. |
| P5 | five pack |
|  | A unit of count defining the number of five-packs (five-pack: set of five items packaged together). |
| P50 | weber metre |
|  | Product of the derived SI unit weber and SI base unit metre. |

## Used Codes

| P51 | mol per kilogram pascal |
| :---: | :---: |
|  | SI base unit mol divided by the product of the SI base unit kilogram and the derived SI unit pascal. |
| P52 | mol per cubic metre pascal |
|  | SI base unit mol divided by the product of the power from the SI base unit metre with exponent 3 and the derived SI unit pascal. |
| P53 | unit pole |
|  | CGS (Centimetre-Gram-Second system) unit for magnetic flux of a magnetic pole (according to the interaction of identical poles of 1 dyn at a distance of a $\mathrm{cm})$. |
| P54 | milligray per second |
|  | 0,001-fold of the derived SI unit gray divided by the SI base unit second. |
| P55 | microgray per second |
|  | 0,000001 -fold of the derived SI unit gray divided by the SI base unit second. |
| P56 | nanogray per second |
|  | 0,000000001 -fold of the derived SI unit gray divided by the SI base unit second. |
| P57 | gray per minute |
|  | SI derived unit gray divided by the unit minute. |
| P58 | milligray per minute |
|  | 0,001-fold of the derived SI unit gray divided by the unit minute. |
| P59 | microgray per minute |
|  | 0,000001 -fold of the derived SI unit gray divided by the unit minute. |
| P60 | nanogray per minute |
|  | 0,000 000001 -fold of the derived SI unit gray divided by the unit minute. |
| P61 | gray per hour |
|  | SI derived unit gray divided by the unit hour. |
| P62 | milligray per hour |
|  | 0,001-fold of the derived SI unit gray divided by the unit hour. |
| P63 | microgray per hour |
|  | 0,000 001-fold of the derived SI unit gray divided by the unit hour. |
| P64 | nanogray per hour |
|  | 0,000 000001 -fold of the derived SI unit gray divided by the unit hour. |
| P65 | sievert per second |
|  | Derived SI unit sievert divided by the SI base unit second. |
| P66 | millisievert per second |
|  | 0,001-fold of the derived SI unit sievert divided by the SI base unit second. |

## Used Codes

| P67 | microsievert per second |
| :---: | :---: |
|  | 0,000 001-fold of the derived SI unit sievert divided by the SI base unit second. |
| P68 | nanosievert per second |
|  | 0,000 000001 -fold of the derived SI unit sievert divided by the SI base unit second. |
| P69 | rem per second |
|  | Unit for the equivalent tin rate relating to DIN 1301-3:1979: $1 \mathrm{rem} / \mathrm{s}=0,01$ $\mathrm{J} /(\mathrm{kg} \cdot \mathrm{s})=1 \mathrm{~Sv} / \mathrm{s}$. |
| P70 | sievert per hour |
|  | Derived SI unit sievert divided by the unit hour. |
| P71 | millisievert per hour |
|  | 0,001-fold of the derived SI unit sievert divided by the unit hour. |
| P72 | microsievert per hour |
|  | 0,000 001-fold of the derived SI unit sievert divided by the unit hour. |
| P73 | nanosievert per hour |
|  | 0,000 000001 -fold of the derived SI unit sievert divided by the unit hour. |
| P74 | sievert per minute |
|  | Derived SI unit sievert divided by the unit minute. |
| P75 | millisievert per minute |
|  | 0,001-fold of the derived SI unit sievert divided by the unit minute. |
| P76 | microsievert per minute |
|  | 0,000 001-fold of the derived SI unit sievert divided by the unit minute. |
| P77 | nanosievert per minute |
|  | 0,000000001 -fold of the derived SI unit sievert divided by the unit minute. |
| P78 | reciprocal square inch |
|  | Complement of the power of the unit inch according to the Anglo-American and Imperial system of units by exponent 2. |
| P79 | pascal square metre per kilogram |
|  | Unit of the burst index as derived unit for pressure pascal related to the substance, represented as a quotient from the SI base unit kilogram divided by the power of the SI base unit metre by exponent 2 . |
| P80 | millipascal per metre |
|  | 0,001 -fold of the derived SI unit pascal divided by the SI base unit metre. |
| P81 | kilopascal per metre |
|  | 1000 -fold of the derived SI unit pascal divided by the SI base unit metre. |
| P82 | hectopascal per metre |
|  | 100 -fold of the derived SI unit pascal divided by the SI base unit metre. |

## Used Codes

| P83 | Standard atmosphere per metre <br> Outdated unit of the pressure divided by the SI base unit metre. |
| :--- | :--- |
| P84 |  |
| technical atmosphere per metre |  |
| Obsolete and non-legal unit of the pressure which is generated by a 10 metre |  |
| water column divided by the SI base unit metre. |  |

Liefermeldung

## Used Codes

reciprocal volt
Reciprocal of the derived SI unit volt.
reciprocal radian

Reciprocal of the unit radian. $\quad$| pascal to the power sum of stoichiometric numbers |
| :--- |
| Unit of the equilibrium constant on the basis of the pressure(ISO 8000 |
| 2009, 9-35.a). |

## Used Codes

| PTL | liquid pint (US) |
| :---: | :---: |
| PTN | portion |
|  | A quantity of allowance of food allotted to, or enough for, one person. |
| Q10 | joule per tesla |
|  | Unit of the magnetic dipole moment of the molecule as derived SI unit joule divided by the derived SI unit tesla. |
| Q11 | erlang |
|  | Unit of the market value according to the feature of a single feature as a statistical measurement of the existing utilization. |
| Q12 | octet |
|  | Synonym for byte: 1 octet $=8$ bit = 1 byte . |
| Q13 | octet per second |
|  | Unit octet divided by the SI base unit second. |
| Q14 | shannon |
|  | Logarithmic unit for information equal to the content of decision of a sentence of two mutually exclusive events, expressed as a logarithm to base 2. |
| Q15 | hartley |
|  | Logarithmic unit for information equal to the content of decision of a sentence of ten mutually exclusive events, expressed as a logarithm to base 10. |
| Q16 | natural unit of information |
|  | Logarithmic unit for information equal to the content of decision of a sentence of, 718281828459 mutually exclusive events, expressed as a logarithm to base Euler value e. |
| Q17 | shannon per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of two mutually exclusive events, expressed as a logarithm to base 2. |
| Q18 | hartley per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of ten mutually exclusive events, expressed as a logarithm to base 10. |
| Q19 | natural unit of information per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of 2,718 281828459 mutually exclusive events, expressed as a logarithm to base of the Euler value e. |
| Q20 | second per kilogramm |
|  | Unit of the Einstein transition probability for spontaneous or inducing emissions and absorption according to ISO 80000-7:2008, expressed as SI base unit second divided by the SI base unit kilogram. |

## Used Codes

| Q21 | watt square metre |
| :---: | :---: |
|  | Unit of the first radiation constants $c 1=2 \cdot p \cdot h \cdot c 0$ to the power of 2 , the value of which is $3,74177118 \cdot 10$ ? 16 -fold that of the comparative value of the product of the derived SI unit watt multiplied with the power of the SI base unit metre with the exponent 2. |
| Q22 | second per radian cubic metre |
|  | Unit of the density of states as an expression of angular frequency as complement of the product of hertz and radiant and the power of SI base unit metre by exponent 3 . |
| Q23 | weber to the power minus one |
|  | Complement of the derived SI unit weber as unit of the Josephson constant, which value is equal to the 384597,891 -fold of the reference value gigahertz divided by volt. |
| Q24 | reciprocal inch |
|  | Complement of the unit inch according to the Anglo-American and Imperial system of units. |
| Q25 | dioptre |
|  | Unit used at the statement of relative refractive indexes of optical systems as complement of the focal length with correspondence to: $1 \mathrm{dpt}=1 / \mathrm{m}$. |
| Q26 | one per one |
|  | Value of the quotient from two physical units of the same kind as a numerator and denominator whereas the units are shortened mutually. |
| Q27 | newton metre per metre |
|  | Unit for length-related rotational moment as product of the derived SI unit newton and the SI base unit metre divided by the SI base unit metre. |
| Q28 | kilogram per square metre pascal second |
|  | Unit for the ability of a material to allow the transition of steam. |
| Q29 | microgram per hectogram |
|  | Microgram per hectogram. |
| Q3 | meal |
|  | A unit of count defining the number of meals (meal: an amount of food to be eaten on a single occasion). |
| Q30 | pH (potential of Hydrogen) |
|  | The activity of the (solvated) hydrogen ion (a logarithmic measure used to state the acidity or alkalinity of a chemical solution). |
| Q31 | kilojoule per gram |
| Q32 | femtolitre |
| Q33 | picolitre |
| Q34 | nanolitre |

## Used Codes

| Q35 | megawatts per minute |
| :---: | :---: |
|  | A unit of power defining the total amount of bulk energy transferred or consumer per minute. |
| Q36 | square metre per cubic metre |
|  | A unit of the amount of surface area per unit volume of an object or collection of objects. |
| Q37 | Standard cubic metre per day |
|  | Standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 101325 millibars) per day |
| Q38 | Standard cubic metre per hour |
|  | Standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 101325 millibars) per hour |
| Q39 | Normalized cubic metre per day |
|  | Normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 101325 millibars) per day |
| Q40 | Normalized cubic metre per hour |
|  | Normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 101325 millibars) per hour |
| Q41 | Joule per normalised cubic metre |
|  | Joule per normalised cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 101325 millibars). |
| Q42 | Joule per standard cubic metre |
|  | Joule per standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 101325 millibars). |
| QA | page - facsimile |
|  | A unit of count defining the number of facsimile pages. |
| QAN | quarter (of a year) |
|  | A unit of time defining the number of quarters (3 months). |
| QB | page - hardcopy |
|  | A unit of count defining the number of hardcopy pages (hardcopy page: a page rendered as printed or written output on paper, film, or other permanent medium). |
| QR | quire |
|  | A unit of count for paper, expressed as the number of quires (quire: a number of paper sheets, typically 25 ). |
| QT | quart (US) |
|  | Use liquid quart (common code QTL) |
| QTD | dry quart (US) |
| QTI | quart (UK) |
| QTL | liquid quart (US) |
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## Used Codes

| QTR | quarter (UK) |
| :---: | :---: |
|  | A traditional unit of weight equal to $1 / 4$ hundredweight. In the United Kingdom, one quarter equals 28 pounds. |
| R1 | pica |
|  | A unit of count defining the number of picas. (pica: typographical length equal to 12 points or 4.22 mm (approx.)). |
| R9 | thousand cubic metre |
|  | A unit of volume equal to one thousand cubic metres. |
| RH | running or operating hour |
|  | A unit of time defining the number of hours of operation. |
| RM | ream |
|  | A unit of count for paper, expressed as the number of reams (ream: a large quantity of paper sheets, typically 500). |
| ROM | room |
|  | A unit of count defining the number of rooms. |
| RP | pound per ream |
|  | A unit of mass for paper, expressed as pounds per ream. (ream: a large quantity of paper, typically 500 sheets). |
| RPM | revolutions per minute |
|  | Refer ISO/TC12 SI Guide |
| RPS | revolutions per second |
|  | Refer ISO/TC12 SI Guide |
| RT | revenue ton mile |
|  | A unit of information typically used for billing purposes, expressed as the number of revenue tons (revenue ton: either a metric ton or a cubic metres, whichever is the larger), moved over a distance of one mile. |
| S3 | square foot per second |
|  | Synonym: foot squared per second |
| S4 | square metre per second |
|  | Synonym: metre squared per second (square metres/second US) |
| SAN | half year (6 months) |
|  | 'A unit of time defining the number of half years (6 months). |
| SCO | score |
|  | A unit of count defining the number of units in multiples of 20. |
| SCR | scruple |
| SEC | second [unit of time] |
| SET | set |
|  | A unit of count defining the number of sets (set: a number of objects grouped together). |

## Used Codes

|  | segment <br> SG unit of information equal to 64000 bytes. |
| :--- | :--- |
| shipping ton |  |
| A unit of mass defining the number of tons for shipping. |  |

## Used Codes

|  | syringe <br> A unit of count defining the number of syringes (syringe: a small device for <br> pumping, spraying and/or injecting liquids through a small aperture). |
| :--- | :--- |
| SYR | telecommunication line in service <br> A unit of count defining the number of lines in service. |
| thousand piece |  |
| A unit of count defining the number of pieces in multiples of 1000 (piece: a |  |
| single item, article or exemplar). |  |

Liefermeldung

## Used Codes

| TST | ten set |
| :---: | :---: |
|  | A unit of count defining the number of sets in multiples of 10 (set: a number of objects grouped together). |
| TTS | ten thousand sticks |
|  | A unit of count defining the number of sticks in multiples of 10000 (stick: slender and often cylindrical piece of a substance). |
| U1 | treatment |
|  | A unit of count defining the number of treatments (treatment: subjection to the action of a chemical, physical or biological agent). |
| U2 | tablet |
|  | A unit of count defining the number of tablets (tablet: a small flat or compressed solid object). |
| UA | torr |
| UB | telecommunication line in service average |
|  | A unit of count defining the average number of lines in service. |
| UC | telecommunication port |
|  | A unit of count defining the number of network access ports. |
| VA | volt - ampere per kilogram |
| VLT | volt |
| VP | percent volume |
|  | A measure of concentration, typically expressed as the percentage volume of a solute in a solution. |
| W2 | wet kilo |
|  | A unit of mass defining the number of kilograms of a product, including the water content of the product. |
| WA | watt per kilogram |
| WB | wet pound |
|  | A unit of mass defining the number of pounds of a material, including the water content of the material. |
| WCD | cord |
|  | A unit of volume used for measuring lumber. One board foot equals $1 / 12$ of a cubic foot. |
| WE | wet ton |
|  | A unit of mass defining the number of tons of a material, including the water content of the material. |
| WEB | weber |
| WEE | week |
| WG | wine gallon |
|  | A unit of volume equal to 231 cubic inches. |

## Used Codes

| WHR | watt hour |
| :---: | :---: |
| WM | working month |
|  | A unit of time defining the number of working months. |
| WSD | standard |
|  | A unit of volume of finished lumber equal to 165 cubic feet. Synonym: standard cubic foot |
| WTT | watt |
| WW | millilitre of water |
|  | A unit of volume equal to the number of millilitres of water. |
| X1 | Gunter's chain |
|  | A unit of distance used or formerly used by British surveyors. |
| YDK | square yard |
| YDQ | cubic yard |
| YRD | yard |
| Z11 | hanging container |
|  | A unit of count defining the number of hanging containers. |
| ZP | page |
|  | A unit of count defining the number of pages. |
| zZ | mutually defined |
|  | A unit of measure as agreed in common between two or more parties. |
| 001 | Barrel (205 litres, 45 gallons) (GS1 Temporary Code) |
| 23 | gram per cubic centimetre |
|  | GS1 Description: |
|  | $\mathrm{g} / \mathrm{cm} 3$ as a unit of measure for the density of gas. This is necessary for dangerous substance articles for determination of the quantities that can be stored together on the shelf. |
| 25 | gram per square centimetre |
|  | GS1 Description: <br> A measure of weight in terms of gram per square centimetre. |
| 28 | kilogram per square metre |
|  | GS1 Description: <br> Unit of measure expressed in kilogram per square metre. |
| 37 | ounce per square foot |
| 59 | part per million |
| 64 | Pound per square inch, gauge |
|  | A unit of measure expressed in pound per square inch |
| 2N | decibel |

## Used Codes

| 2 X | metre per minute <br> GS1 Description: <br> A measure of speed in terms of metres per minute. |
| :---: | :---: |
| 4K | milliampere |
| 4L | megabyte <br> GS1 Description: <br> A unit of computer memory equal to 1.048 .576 (i.e. 2 power 20) bytes. |
| 40 | microfarad <br> GS1 Description: <br> One millionth of a farad. A farad is the capacitance of a capacitor between the plates of which a potential of 1 volt is created by a charge of 1 Coulomb. |
| 4P | newton per metre |
| A25 | cheval vapeur |
| A86 | gigahertz <br> GS1 Description: <br> Hertz multiplied by $10 * 9$. |
| A99 | Bit <br> A unit of information equal to one binary digit. |
| ACR | acre <br> GS1 Description: <br> Acre (4840 yd2) |
| AD | byte <br> GS1 Description: <br> A unit of information stored in a computer, equal to eight bits. |
| AMH | ampere hour GS1 Description: Ampere-hour (3,6kC) |
| AMP | ampere |
| ANN | year <br> GS1 Description: <br> The expression of a year as a measure unit. |
| APZ | Troy ounce or apothecary ounce EDIFACT |
| ASM | alcoholic strength by mass <br> GS1 Description: <br> Alcoholic strength expressed by mass. |
| ASU | alcoholic strength by volume <br> GS1 Description: <br> Alcoholic strength expressed by volume. |
| AV | capsule <br> GS1 Description: <br> Encaspuled dosage form for pharmaceuticals. |

## Used Codes

| B13 | Joule per square metre <br> A unit of measure of heat energy expressed in joule per square metre. |
| :--- | :--- |
| B17 | Credit <br> A unit of count defining the number of entries made to the credit side of an <br> account. |
| BAR | bar <br> GS1 Description: <br> A unit of measure equal to 106 dines per square centimeter. |
| British thermal unit |  |
| GS1 Description: |  |$\quad$| British thermal unit (1,055 kilojoules) |
| :--- |

## Used Codes

| D32 | Terawatt hour |
| :---: | :---: |
|  | A unit of measure expressed in terawatt hour |
| D5 | Kilogram per square centimetre |
|  | A unit of measure expressed in kilogram per square centimetre |
| D55 | Watt per square metre kelvin |
|  | Unit of measure of thermal conductance expressed in watt per square metre kelvin. |
| D68 | Number of Words |
|  | A unit of count defining the number of words. EDIFACT |
| DAY | day |
|  | GS1 Description: <br> The expression of a day as a measure unit. |
| DD | degree |
|  | GS1 Description: Unit of measure of temperature. |
| DMQ | cubic decimetre |
|  | GS1 Description: <br> Unit of measure expressed in cubic decimetre. |
| DMT | decimetre |
| DRG | Dragée (GS1 Temporary Code) |
|  | Number of dragées (coated tablets) contained in the item's package as a measurement unit. |
| DZN | dozen |
|  | GS1 Description: <br> A unit of measure of 12 or group of 12 . |
| E09 | Milliampere hour |
|  | A unit of power load delivered at the rate of one thousandth of an ampere over a period of one hour. <br> EDIFACT |
| E10 | Degree day |
|  | A unit of measure used in meteorology and engineering to measure the demand for heating or cooling over a given period of days. <br> EDIFACT |
| E11 | Gigacalorie |
|  | A unit of heat energy equal to one thousand million calories. EDIFACT |
| E27 | Dose |
|  | A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug). <br> EDIFACT |

## Used Codes

| E31 | Square metre per litre |
| :---: | :---: |
|  | A unit of count defining the number of square metres per litre. EDIFACT |
| E32 | Litre per hour |
|  | A unit of count defining the number of litres per hour. EDIFACT |
| E34 | Gigabyte |
|  | A unit of information equal to 10 E9 bytes. |
| E37 | Pixel |
|  | A unit of count defining the number of pixels (pixel: picture element). |
| E38 | Megapixel |
|  | A unit of count equal to $10 \mathrm{E6}$ (1000000) pixels (picture elements). |
| E39 | Dots per inch |
|  | A unit of information defining the number of dots per linear inch as a measure of the resolution or sharpness of an image. |
|  | GS1 Description: <br> synonym: pixels per inch. |
| EA | each |
| EV | envelope |
|  | GS1 Description: <br> A unit of measure pertaining to the number of envelopes. |
| FAH | degree Fahrenheit |
| FOT | foot |
|  | GS1 Description: <br> Foot ( $0,3048 \mathrm{~m}$ ) |
| FP | Pound per square foot |
|  | A unit of measure expressed in pound per square foot |
| FTK | Square foot |
|  | A unit of measure expressed in square foot |
| FTQ | cubic foot |
| GL | gram per litre |
| GLI | gallon (UK) |
|  | GS1 Description: <br> Gallon (4,546092 dm3) |
| GM | gram per square metre |
|  | GS1 Description: <br> Unit of measure of grams per square metre. |
| GRM | gram |
| GRO | gross |
|  | GS1 Description: |
|  | A unit of measure of 12 dozens. |

## Used Codes

| GV | gigajoule |
| :---: | :---: |
| GWH | gigawatt hour <br> GS1 Description: <br> Gigawatt-hour (1 million kW/h) |
| H87 | Piece <br> A unit of count defining the number of pieces (piece: a single item, article or exemplar). <br> EDIFACT |
| HLT | hectolitre |
| HMT | hectometre <br> A unit of linear measure equal to 10 E 2 metres. |
| HTZ | hertz <br> GS1 Description: <br> One cycle per second. |
| HUR | hour |
| INH | inch GS1 Description: Inch ( $25,4 \mathrm{~mm}$ ) |
| INK | Square inch <br> A unit of measure expressed in square inch |
| JM | Megajoule per cubic metre EDIFACT |
| Jou | joule |
| K51 | Kilocalorie (mean) EDIFACT |
| KB | kilocharacter |
| KBA | kilobar |
| KEL | kelvin |
| KGM | kilogram |
| KHZ | kilohertz |
| KJO | kilojoule |
| KL | kilogram per metre <br> GS1 Description: <br> A measure of weight in terms of kilogram per metre. |
| KMH | kilometre per hour <br> GS1 Description: <br> A unit of measure expressed in kilometre per hour. |
| KMQ | kilogram per cubic metre <br> GS1 Description: <br> A measure of weight in terms of kilogram per cubic metre. |

## Used Codes

| KPA | kilopascal <br> GS1 Description: <br> Unit of measure expressed in kilopascal. |
| :---: | :---: |
| KTM | kilometre |
| KVA | kilovolt - ampere GS1 Description: A unit of electric power. |
| KVT | kilovolt |
| KWH | kilowatt hour |
| KWT | kilowatt |
| L2 | litre per minute <br> GS1 Description: <br> Unit of measure expressed in litre per minute. |
| LBR | Pound EDIFACT |
| LD | Litre per day <br> A unit of measure defining the number of litres per day. |
| LNE | Printed line count (GS1 Temporary Code) <br> The indication of the count of printed lines included on a paper communication (e.g. telegram) for invoicing purposes. |
| LTR | litre <br> GS1 Description: <br> Litre ( 1 dm 3 ) |
| LUX | lux <br> GS1 Description: <br> Unit of measure of illumination (it corresponds to the illumination of a surface which normally and uniformly receives a light flow of 1 lumen per square meter). |
| M4 | Monetary value <br> A unit of measure expressed as a monetary amount. <br> EDIFACT |
| MAL | mega litre |
| MAW | megawatt |
| MC | microgram One millionth of a gram. |
| MCU | millicurie <br> GS1 Description: <br> Unit of measure for radioactivity. |
| MGM | milligram |
| MHZ | megahertz |
| MIN | minute |

## Used Codes

| MLT | millilitre |
| :---: | :---: |
| MMK | square millimetre <br> GS1 Description: <br> A unit to measure a surface equal to one millionth of a quadrate. |
| MMQ | cubic millimetre <br> GS1 Description: <br> A unit of measure expressed in cubic milimetres. |
| MMT | millimetre |
| MON | month <br> GS1 Description: <br> The expression of a month as a measure unit. |
| MPA | megapascal <br> GS1 Description: <br> A unit of measure expressed in Megapascal. |
| MQH | Cubic metre per hour <br> A unit of measure defining the number of cubic metres per hour. |
| MTK | square metre |
| MTQ | cubic metre |
| MTR | metre |
| MTS | Metre per second <br> A unit of speed expressed in metres per second. |
| MWH | megawatt hour (1000 kW.h) |
| NAR | number of articles |
| NEW | newton <br> GS1 Description: <br> The SI unit of force, equal to the force that would give a mass of one kilogram an acceleration of one metre per second. |
| NIU | number of international units <br> A unit of count defining the number of international units. |
| NRL | number of rolls |
| ONZ | ounce <br> GS1 Description: <br> Ounce GB, US $(28,349523 \mathrm{~g})$ |
| OZA | fluid ounce (US) <br> GS1 Description: <br> Fluid ounce US $(29,5735 \mathrm{~cm} 3)$ |
| OZI | fluid ounce (UK) <br> GS1 Description: <br> Fluid ounce UK $(28,413 \mathrm{~cm} 3)$ |

## Used Codes

| P1 | percent <br> GS1 Description: <br> This code is used to indicate measurements in terms of percentages, e.g. the relative humidity (code RA in data element 6313) is $52 \%$. |
| :---: | :---: |
| PA | packet |
| PAL | pascal <br> GS1 Description: <br> The SI unit of pressure, equal to one Newton per square metre. |
| PCE | Piece (GS1 Temporary Code) |
| PF | pallet (lift) <br> GS1 Description: <br> A number of articles expressed in terms of pallets. |
| PR | pair <br> GS1 Description: <br> Two articles which belong together but are not necessarily identical. |
| PTI | pint (UK) <br> GS1 Description: <br> Pint UK ( $0,568262 \mathrm{dm} 3$ ) |
| PTN | Portion (GS1 Temporary Code) <br> The identification of the number of portions (doses in medical terms) into which a complete product may be broken into for serving purposes, e.g. a pie with 6 portions, a liquid medicine with 20 doses. |
| QAN | quarter (of a year) |
| QTI | quart (UK) <br> GS1 Description: <br> Quart UK $(1,1136523 \mathrm{dm} 3)$ |
| RJH | Decanewton (GS1 Temporary Code) A unit of force equal to 10 Newton. |
| RPM | revolutions per minute |
| RTO | Ratio (GS1 Temporary Code) |
| SEC | second |
| SMI | Mile (statute mile) <br> A unit of measure expressed in mile |
| ST | sheet |
| TNE | tonne (metric ton) GS1 Description: Metric ton (1000kg) |

## Used Codes

| U2 | tablet |
| :--- | :--- |
| A unit of count defining the number of tablets (tablet: a small flat or |  |
| compressed solid object). |  |
| GS1 Description: |  |
| Dosage form for pharmaceuticals, pressed or compacted from a powder into a |  |
| solid dose. |  |${ }^{\text {Unit of activity, predefined (GS1 Temporary Code) }}$| A measure pertaining to a predefined activity. |
| :--- |

## Used Codes

| BU | Base unit (GS1 Permanent Code) |
| :---: | :---: |
|  | The lowest level packaged unit for a given product, which may or may not be the consumer unit. |
| CA | Case (GS1 Permanent Code) |
| CIT | Collateral Item (GS1 Permanent Code) |
| CMP | Composition (GS1 Permanent Code) |
|  | A grouping of existing compositions, base articles, new options, and/or new option values. |
| CSF | Display material (GS1 Permanent Code) |
|  | Articles used to promote articles at the sale location. |
| CSG | Full display stand (GS1 Permanent Code) |
|  | Display stand containing the articles to be displayed. |
| Сто | Cut to order (GS1 Permanent Code) |
|  | Code indicating that the current product may be sold in measurements cut to the customers specification, e.g. carpets. |
| CU | Consumer unit (GS1 Permanent Code) |
|  | The package size of a product or products agreed by trading partners as the size sold at the retail point of sale. |
| D | Available all the year round (GS1 Permanent Code) |
|  | The product is available all the year round. |
| DAS | Dynamic Assortment (GS1 Permanent Code) |
| DF | Default (GS1 Permanent Code) |
|  | A line item in a Customer Specific Article which is a default option of a base article which will be automatically selected if none of the other available options are chosen. |
| DIC | Discount coupon (GS1 Permanent Code) |
|  | A coupon that entitles to a discount. |
| DSP | Display shipper (GS1 Permanent Code) |
| DST | Display stand (GS1 Permanent Code) |
|  | A stand used for display purposes which is generally not for sale to the consumer. |
| DU | Despatch unit (GS1 Permanent Code) |
|  | The package size of a product or products which may be shipped when fulfilling an order. |
| ETO | Engineer to Order (GS1 Permanent Code) |
|  | Engineer to Order includes products that are designed, developed and manufactured in response to a specific customer request. |
| F01 | Caught (GS1 Permanent Code) |
|  | Caught at sea |

## Used Codes

| F02 | Caught in freshwater (GS1 Permanent Code) Caught in freshwater |
| :---: | :---: |
| F03 | Farmed (GS1 Permanent Code) |
|  | Farmed |
| F04 | Cultivated (GS1 Permanent Code) |
|  | Cultivated |
| FEM | Female (GS1 Permanent Code) |
|  | Female gender. |
| FS | Available in spring-summer (GS1 Permanent Code) |
|  | The product is available in the spring-summer period. |
| FZ1 | Previously frozen (GS1 Permanent Code) |
|  | Previously frozen |
| FZ2 | Not previously frozen (GS1 Permanent Code) |
|  | Not previously frozen |
| GWP | Gift with purchase (GS1 Permanent Code) |
| HN | Handling unit (GS1 Permanent Code) |
|  | The package size of a product which will be used when transporting and storing the product. |
| HW | Available in autumn-winter (GS1 Permanent Code) |
|  | The product is available in the autumn-winter period. |
| IF1 | IF <> THEN <> ENDIF (GS1 Permanent Code) |
|  | E.G., IF <customer chooses node number 1332> THEN <action (taken from DE 1229 of LIN) to node number 1773> ENDIF. |
| IF2 | IF NOT < > THEN < > ENDIF (GS1 CPermanent ode) |
|  | E.G., IF NOT <customer does not choose node number 1332> THEN <action (taken from DE 1229 of LIN) to node number 1773> ENDIF. |
| IF3 | IF $<>$ AND (GS1 Permanent Code) |
|  | E.G., IF <customer chooses node number 1332> AND (followed by another repeat of IMD with another rule). |
| IF4 | IF NOT < > AND (GS1 Permanent Code) |
|  | E.G., IF NOT <customer does not choose node number 1332> AND (followed by another repeat of IMD with another rule). |
| IF5 | IF <> OR (GS1 Permanent Code) |
|  | E.G., IF <customer chooses node number 1332> OR (followed by another repeat of IMD with another rule). |
| IF6 | IF NOT < > OR (GS1 Permanent Code) |
|  | E.G., IF NOT <customer does not choose node number 1332> OR (followed by another repeat of IMD with another rule). |

## Used Codes

| IF7 | IF <> XOR (GS1 Permanent Code) |
| :---: | :---: |
|  | E.G., IF <customer chooses node number 1332> XOR (followed by another repeat of IMD with another rule). |
| IF8 | IF NOT < > XOR (GS1 Permanent Code) |
|  | E.G., IF NOT <customer does not choose node number 1332> XOR (followed by another repeat of IMD with another rule). |
| IN | Invoicing unit (GS1 Permanent Code) |
|  | The package size of a product or products which will be used as the unit on which the buyer is invoiced. |
| IT | Intermediate unit (GS1 Permanent Code) |
|  | A package size of a product or products falling in between two predefined package sizes. |
| MA | Mandatory (GS1 Permanent Code) |
|  | An option of a Customer Specific Article which is mandatory in the configuration of the base article, e.g. it is mandatory to have legs when ordering a CSA table. |
| MAL | Male (GS1 Permanent Code) |
|  | Male gender. |
| MM | Mixed module (GS1 Permanent Code) |
| MOD | Model (GS1 Permanent Code) |
|  | The identification of an article as a high level model of a product, e.g. spring fashions. |
| MP | Multipack (GS1 Permanent Code) |
| MTO | Make to Order (GS1 Permanent Code) |
|  | A Make to Order environment is one in which products are completed after receipt of a customer order and are built or configured only in response to a customer order. |
| MTS | Make to Stock (GS1 Permanent Code) |
|  | Make to Stock products are intended to be shipped from finished goods or 'off the shelf', are completed prior to receipt of a customer order, and are generally produced in accordance with sales forecasts. |
| NAR | Next Article (GS1 Permanent Code) |
|  | An indication that what follows is a set of linked articles, a certain number of these linked articles should be chosen. |
| NBU | Not a base unit (GS1 Permanent Code) |
|  | Not the lowest level packaged unit for a given product, which may or may not be the consumer unit. |
| NCU | Not a consumer unit (GS1 Permanent Code) |
|  | The current base item or packaging item is not a consumer unit, i.e. is not a pre-packaging that is intended and labelled or marked for consumers according to legal requirements. |

## Used Codes

| ND | Non divisible item (GS1 Permanent Code) The item is not divisible. |
| :---: | :---: |
| NDU | Not a despatch unit (GS1 Permanent Code) |
|  | The current base item or packaging item is not a regular logistical despatch unit, i.e. it is as a rule only delivered as many within a further repackaging, and not as an individual logistics item. |
| NFR | Not For Resale (GS1 Permanent Code) |
|  | Item is not for resale to consumer. |
| NIN | Not an invoicing unit (GS1 Permanent Code) |
|  | The current base item or packaging item is not an invoicing unit of the data supplier, i.e. cannot be invoiced individually but only as one of many in a repackaging or transport packaging item. |
| NLK | Not a bulk consumer unit (GS1 Permanent Code) |
|  | The item is not designed as a bulk consumer unit, i.e. to be sold mainly to hotels, restaurants, caterers, hospitals etc. |
| NO | Not an ordering unit (GS1 Permanent Code) |
|  | A package size of a product or products which may not be ordered. |
| NOS | Yes, NOS item (GS1 Permanent Code) |
|  | The current item is an NOS (Never out of stock) article, that is continuously reordered and replenished. |
| NOT | Not, not an NOS item (GS1 Permanent Code) |
|  | The current item is not an NOS (Never out of stock) article, therefore is not continuously reordered and replenished. |
| NOV | Next option value (GS1 Permanent Code) |
|  | An indication that what follows is a set of linked option values, next option values, or parameters. |
| NPC | Reusable container, but not standardized by a pool cooperative (GS1 Permanent Code) |
|  | Reusable container that is not standardized by a pool cooperative. |
| NRC | Non-returnable container (GS1 Permanent Code) |
|  | The current product is not traditionally a traded product and does not need to be returned to the sender. |
| NRE | Not a retail product (GS1 Permanent Code) |
|  | The current item is not meant for retail sale, but only for sale to hotels, restaurants and catering. |
| NS | Not smallest unit (GS1 Permanent Code) |
|  | Not the smallest unit for a given product. |
| NSU | Non-standard unit (GS1 Permanent Code) |
|  | Products grouped together to fulfil specific ordering needs and not generally available. |

## Used Codes

| NVQ | Not a variable quantity product (GS1 Permanent Code) <br> The current item is a variable weight trade item, for which the weight and the <br> quantity is determined only by the buyer. |
| :--- | :--- |
|  | Option (GS1 Permanent Code) <br> An option within a Customer Specific Article which does not exist on its own, <br> e.g. colour, and which has discrete values. |
| OP | Overall product level (GS1 Permanent Code) <br> An overall level whereby many products are grouped on the basis of their <br> composition, application and characteristics (e.g. Coca Cola with no size, |
| packaging, price, etc, specified). |  |

## Used Codes

| PR4 | Multi-pack and combination pack (GS1 Permanent Code) |
| :---: | :---: |
|  | It is a promotional grouping with included free quantity. The grouping is created for promotional activities only. In the grouping a part of the quantity is free. |
| PRO | Programme (GS1 Permanent Code) |
|  | A programme within a Customer Specific Article which does not exist on its own. |
| PWP | Purchase with purchase (GS1 Permanent Code) |
| RC | Returnable container (GS1 Permanent Code) |
|  | The current product is not traditionally a traded product but one which should be returned according to separate instructions. |
| RD | Refundable deposit item (GS1 Permanent Code) |
|  | Item is subject to a refundable deposit. |
| RE | Retail product (GS1 Permanent Code) |
|  | The current item is meant for retail sale only, and not for sale to hotels, restaurants and catering. |
| RPC | Reusable pool container (GS1 Permanent Code) |
|  | Reusable container standardized by a pool cooperative. |
| SER | Service (GS1 Permanent Code) |
|  | A code identifying the current item as a service (i.e. not a physical product). |
| SG | Standard group of products (mixed assortment) (GS1 Permanent Code) |
|  | A standard package containing different products enabling the package to be ordered, delivered and invoiced. |
| SMR | Summer (GS1 Permanent Code) |
|  | Summer season. |
| SPK | Setpack (GS1 Permanent Code) |
| SPR | Spring (GS1 Permanent Code) |
|  | Spring season. |
| SU | Smallest unit (GS1 Permanent Code) |
|  | The smallest usable or tradeable size or unit for a given product. |
| TU | Traded unit (GS1 Permanent Code) |
|  | The package size of a product or products which has been agreed by trading partners as the size which may be ordered, delivered and invoiced. |
| UNI | Unisex (GS1 Permanent Code) |
|  | No gender. |
| VQ | Variable quantity product (GS1 Permanent Code) |
|  | Product is used or traded in continuous rather than discrete quantities. |
| WNT | Winter (GS1 Permanent Code) |
|  | Winter season. |

Liefermeldung

## Used Codes

Count (GS1 Permanent Code) $\quad$| Area (GS1 Permanent Code) |
| :--- | :--- |

## Used Codes

## Calorific value (GS1 Permanent Code)

The calorific value of a fuel indicates the amount of heat generated by the combustion and subsequent cooling of the combustion gases at 25 degrees Celsius.

| 7065 | Package type description code <br> Code specifying the type of package. <br> Notes: <br> 1. Recommend use UN/ECE Recommendation No. 21 (also, see current volume of UNTDED). |
| :---: | :---: |
| 43 | Bag, super bulk |
| 44 | Bag, polybag <br> A type of plastic bag, typically used to wrap promotional pieces, publications, product samples, and/or catalogues. |
| 1A | Drum, steel |
| 1 B | Drum, aluminium |
| 1D | Drum, plywood |
| 1F | Container, flexible <br> A packaging container of flexible construction. |
| 1G | Drum, fibre |
| 1W | Drum, wooden |
| 2 C | Barrel, wooden |
| 3 A | Jerrican, steel |
| 3 H | Jerrican, plastic |
| 4A | Box, steel |
| 4B | Box, aluminium |
| 4 C | Box, natural wood |
| 4 D | Box, plywood |
| 4 F | Box, reconstituted wood |
| 4G | Box, fibreboard |
| 4H | Box, plastic |
| 5H | Bag, woven plastic |
| 5L | Bag, textile |
| 5M | Bag, paper |
| 6H | Composite packaging, plastic receptacle |
| 6P | Composite packaging, glass receptacle |

## Used Codes

| 7A | Case, car |
| :---: | :---: |
|  | A type of portable container designed to store equipment for carriage in an automobile. |
| 7B | Case, wooden |
|  | A case made of wood for retaining substances or articles. |
| 8A | Pallet, wooden |
|  | A platform or open-ended box, made of wood, on which goods are retained for ease of mechanical handling during transport and storage. |
| 8B | Crate, wooden |
|  | A receptacle, made of wood, on which goods are retained for ease of mechanical handling during transport and storage. |
| 8C | Bundle, wooden |
|  | Loose or unpacked pieces of wood tied or wrapped together. |
| AA | Intermediate bulk container, rigid plastic |
| $A B$ | Receptacle, fibre |
| AC | Receptacle, paper |
| AD | Receptacle, wooden |
| AE | Aerosol |
| AF | Pallet, modular, collars $80 \mathrm{cms} \times 60 \mathrm{cms}$ |
| AG | Pallet, shrinkwrapped |
| AH | Pallet, $100 \mathrm{cms} \times 110 \mathrm{cms}$ |
| AI | Clamshell |
| AJ | Cone |
| AL | Ball |
|  | A spherical containment vessel for retaining substances or articles. |
| AM | Ampoule, non-protected |
| AP | Ampoule, protected |
| AT | Atomizer |
| AV | Capsule |
| B4 | Belt |
|  | A band use to retain multiple articles together. |
| BA | Barrel |
| BB | Bobbin |
| BC | Bottlecrate / bottlerack |
| BD | Board |
| BE | Bundle |

## Used Codes

| BF | Balloon, non-protected |
| :---: | :---: |
| BG | Bag |
| BH | Bunch |
| BI | Bin |
| BJ | Bucket |
| BK | Basket |
| BL | Bale, compressed |
| BM | Basin |
| BN | Bale, non-compressed |
| BO | Bottle, non-protected, cylindrical |
| BP | Balloon, protected |
| BQ | Bottle, protected cylindrical |
| BR | Bar |
| BS | Bottle, non-protected, bulbous |
| BT | Bolt |
| BU | Butt |
| BV | Bottle, protected bulbous |
| BW | Box, for liquids |
| BX | Box |
| BY | Board, in bundle/bunch/truss |
| BZ | Bars, in bundle/bunch/truss |
| CA | Can, rectangular |
| CB | Crate, beer |
| CC | Churn |
| CD | Can, with handle and spout |
| CE | Creel |
| CF | Coffer |
| CG | Cage |
| CH | Chest |
| CI | Canister |
| CJ | Coffin |
| CK | Cask |
| CL | Coil |

## Used Codes

| CM | Card |
| :---: | :---: |
| CN | Container, not otherwise specified as transport equipment |
| CO | Carboy, non-protected |
| CP | Carboy, protected |
| CQ | Cartridge |
| CR | Crate |
| CS | Case |
| CT | Carton |
| CU | Cup |
| CV | Cover |
| CW | Cage, roll |
| CX | Can, cylindrical |
| CY | Cylinder |
| CZ | Canvas |
| DA | Crate, multiple layer, plastic |
| DB | Crate, multiple layer, wooden |
| DC | Crate, multiple layer, cardboard |
| DG | Cage, Commonwealth Handling Equipment Pool (CHEP) |
| DH | Box, Commonwealth Handling Equipment Pool (CHEP), Eurobox |
| DI | Drum, iron |
| DJ | Demijohn, non-protected |
| DK | Crate, bulk, cardboard |
| DL | Crate, bulk, plastic |
| DM | Crate, bulk, wooden |
| DN | Dispenser |
| DP | Demijohn, protected |
| DR | Drum |
| DS | Tray, one layer no cover, plastic |
| DT | Tray, one layer no cover, wooden |
| DU | Tray, one layer no cover, polystyrene |
| DV | Tray, one layer no cover, cardboard |
| DW | Tray, two layers no cover, plastic tray |
| DX | Tray, two layers no cover, wooden |

## Used Codes

| DY | Tray, two layers no cover, cardboard |
| :---: | :---: |
| EC | Bag, plastic |
| ED | Case, with pallet base |
| EE | Case, with pallet base, wooden |
| EF | Case, with pallet base, cardboard |
| EG | Case, with pallet base, plastic |
| EH | Case, with pallet base, metal |
| EI | Case, isothermic |
| EN | Envelope |
| FB | Flexibag |
|  | A flexible containment bag made of plastic, typically for the transportation bulk non-hazardous cargoes using standard size shipping containers. |
| FC | Crate, fruit |
| FD | Crate, framed |
| FE | Flexitank |
|  | A flexible containment tank made of plastic, typically for the transportation bulk non-hazardous cargoes using standard size shipping containers. |
| FI | Firkin |
| FL | Flask |
| FO | Footlocker |
| FP | Filmpack |
| FR | Frame |
| FT | Foodtainer |
| FW | Cart, flatbed |
|  | Wheeled flat bedded device on which trays or other regular shaped items are packed for transportation purposes. |
| FX | Bag, flexible container |
| GB | Bottle, gas |
| GI | Girder |
| GL | Container, gallon |
|  | A container with a capacity of one gallon. |
| GR | Receptacle, glass |
| GU | Tray, containing horizontally stacked flat items |
|  | Tray containing flat items stacked on top of one another. |

## Used Codes

| GY | Bag, gunny |
| :---: | :---: |
|  | A sack made of gunny or burlap, used for transporting coarse commodities, such as grains, potatoes, and other agricultural products. |
| GZ | Girders, in bundle/bunch/truss |
| HA | Basket, with handle, plastic |
| HB | Basket, with handle, wooden |
| HC | Basket, with handle, cardboard |
| HG | Hogshead |
| HN | Hanger |
|  | A purpose shaped device with a hook at the top for hanging items from a rail. |
| HR | Hamper |
| IA | Package, display, wooden |
| IB | Package, display, cardboard |
| IC | Package, display, plastic |
| ID | Package, display, metal |
| IE | Package, show |
| IF | Package, flow |
| IG | Package, paper wrapped |
| IH | Drum, plastic |
| IK | Package, cardboard, with bottle grip-holes |
| IL | Tray, rigid, lidded stackable (CEN TS 14482:2002) |
|  | Lidded stackable rigid tray compliant with CEN TS 14482:2002. |
| IN | Ingot |
| IZ | Ingots, in bundle/bunch/truss |
| JB | Bag, jumbo |
|  | A flexible containment bag, widely used for storage, transportation and handling of powder, flake or granular materials. Typically constructed from woven polypropylene (PP) fabric in the form of cubic bags. |
| JC | Jerrican, rectangular |
| JG | Jug |
| JR | Jar |
| JT | Jutebag |
| JY | Jerrican, cylindrical |
| KG | Keg |

## Used Codes

| KI | Kit |
| :---: | :---: |
|  | A set of articles or implements used for a specific purpose. |
| LE | Luggage |
|  | A collection of bags, cases and/or containers which hold personal belongings for a journey. |
| LG | Log |
| LT | Lot |
| LU | Lug |
|  | A wooden box for the transportation and storage of fruit or vegetables. |
| LV | Liftvan |
| LZ | Logs, in bundle/bunch/truss |
| MA | Crate, metal |
|  | Containment box made of metal for retaining substances or articles. |
| MB | Bag, multiply |
| MC | Crate, milk |
| ME | Container, metal |
|  | A type of containment box made of metal for retaining substances or articles, not otherwise specified as transport equipment. |
| MR | Receptacle, metal |
| MS | Sack, multi-wall |
| MT | Mat |
| MW | Receptacle, plastic wrapped |
| MX | Matchbox |
| NA | Not available |
| NE | Unpacked or unpackaged |
| NF | Unpacked or unpackaged, single unit |
| NG | Unpacked or unpackaged, multiple units |
| NS | Nest |
| NT | Net |
| NU | Net, tube, plastic |
| NV | Net, tube, textile |
| O1 | Two sided cage on wheels with fixing strap |
|  | A two sided cage mounted on wheels with fixing strap. Dimensions: $900 \times 770$ $x 1513 \mathrm{~cm}$ (length x width x height). |
| 02 | Trolley |
|  | A low cart for the transportation and storage of groceries, milk, etc. |

## Used Codes

| 03 | Oneway pallet ISO $0-1 / 2$ EURO Pallet Oneway pallet with dimensions $80 \times 60 \mathrm{~cm}$. |
| :---: | :---: |
| 04 | Oneway pallet ISO $1-1 / 1$ EURO Pallet Oneway pallet with dimensions $80 \times 120 \mathrm{~cm}$. |
| 05 | Oneway pallet ISO 2-2/1 EURO Pallet Oneway pallet with dimensions $100 \times 120 \mathrm{~cm}$. |
| 06 | Pallet with exceptional dimensions Pallet with non-standard dimensions. |
| OA | Pallet, CHEP $40 \mathrm{~cm} \times 60 \mathrm{~cm}$ <br> CHEP standard pallet of dimensions 40 centimeters $\times 60$ centimeters. |
| OB | Pallet, CHEP $80 \mathrm{~cm} \times 120 \mathrm{~cm}$ CHEP standard pallet of dimensions 80 centimeters $\times 120$ centimeters. |
| OC | Pallet, CHEP $100 \mathrm{~cm} \times 120 \mathrm{~cm}$ CHEP standard pallet of dimensions 100 centimeters $\times 120$ centimeters. |
| OD | Pallet, AS 4068-1993 <br> Australian standard pallet of dimensions 115.5 centimeters $\times 116.5$ centimeters. |
| OE | Pallet, ISO T11 <br> ISO standard pallet of dimensions 110 centimeters $\times 110$ centimeters, prevalent in Asia - Pacific region. |
| OF | Platform, unspecified weight or dimension <br> A pallet equivalent shipping platform of unknown dimensions or unknown weight. |
| OG | Pallet ISO 0-1/2 EURO Pallet <br> Standard pallet with dimensions $80 \times 60 \mathrm{~cm}$. |
| OH | Pallet ISO 1-1/1 EURO Pallet <br> Standard pallet with dimensions $80 \times 120 \mathrm{~cm}$. |
| OI | Pallet ISO 2-2/1 EURO Pallet <br> Standard pallet with dimensions $100 \times 120 \mathrm{~cm}$. |
| OJ | 1/4 EURO Pallet <br> Standard pallet with dimensions $60 \times 40 \mathrm{~cm}$. |
| OK | Block <br> A solid piece of a hard substance, such as granite, having one or more flat sides. |
| OL | 1/8 EURO Pallet <br> Standard pallet with dimensions $40 \times 30 \mathrm{~cm}$. |

## Used Codes

| OM | Synthetic pallet ISO 1 |
| :---: | :---: |
|  | A standard pallet with standard dimensions $80 \times 120 \mathrm{~cm}$ made of a synthetic material for hygienic reasons. |
| ON | Synthetic pallet ISO 2 |
|  | A standard pallet with standard dimensions $100 \times 120 \mathrm{~cm}$ made of a synthetic material for hygienic reasons. |
| OP | Wholesaler pallet |
|  | Pallet provided by the wholesaler. |
| OQ | Pallet $80 \times 100 \mathrm{~cm}$ |
|  | Pallet with dimensions $80 \times 100 \mathrm{~cm}$. |
| OR | Pallet $60 \times 100 \mathrm{~cm}$ |
|  | Pallet with dimensions $60 \times 100 \mathrm{~cm}$. |
| OS | Oneway pallet |
|  | Pallet need not be returned to the point of expedition. |
| OT | Octabin |
|  | A standard cardboard container of large dimensions for storing for example vegetables, granules of plastics or other dry products. |
| OU | Container, outer |
|  | A type of containment box that serves as the outer shipping container, not otherwise specified as transport equipment. |
| OV | Returnable pallet |
|  | Pallet must be returned to the point of expedition. |
| OW | Large bag, pallet sized |
|  | A non-rigid container made of fabric, paper, plastic, etc, with an opening at the top which can be closed and which is suitable for use on pallets. |
| ox | A wheeled pallet with raised rim ( $81 \times 67 \times 135$ ) |
|  | A wheeled pallet with raised rim for the storing and transporting of loads. Dimensions: $81 \times 67 \times 135 \mathrm{~cm}$ (length $\times$ width $\times$ height). |
| OY | A wheeled pallet with raised rim (81 $\times 72 \times 135$ ) |
|  | A wheeled pallet with raised rim for the storing and transporting of loads. Dimensions: $81 \times 72 \times 135 \mathrm{~cm}$ (length $\times$ width $\times$ height). |
| Oz | A wheeled pallet with raised rim (81 $\times 60 \times 16$ ) |
|  | A wheeled pallet with raised rim for the storing and transporting of loads. Dimensions: $81 \times 60 \times 16 \mathrm{~cm}$ (length $\times$ width $\times$ height). |
| P2 | Pan |
|  | A shallow, wide, open container, usually of metal. |
| PA | Packet |
| PB | Pallet, box |
| PC | Parcel |

## Used Codes

| PD | Pallet, modular, collars $80 \mathrm{cms} * 100 \mathrm{cms}$ |
| :---: | :---: |
| PE | Pallet, modular, collars $80 \mathrm{cms} * 120 \mathrm{cms}$ |
| PF | Pen |
| PG | Plate |
| PH | Pitcher |
| PI | Pipe |
| PJ | Punnet |
| PK | Package |
| PL | Pail |
| PN | Plank |
| PO | Pouch |
| PP | Piece |
|  | A loose or unpacked article. |
| PR | Receptacle, plastic |
| PT | Pot |
| PU | Tray pack |
| PV | Pipes, in bundle/bunch/truss |
| PX | Pallet |
| PY | Plates, in bundle/bunch/truss |
| PZ | Planks, in bundle/bunch/truss |
| QA | Drum, steel, non-removable head |
| QB | Drum, steel, removable head |
| QC | Drum, aluminium, non-removable head |
| QD | Drum, aluminium, removable head |
| QF | Drum, plastic, non-removable head |
| QG | Drum, plastic, removable head |
| QH | Barrel, wooden, bung type |
| QJ | Barrel, wooden, removable head |
| QK | Jerrican, steel, non-removable head |
| QL | Jerrican, steel, removable head |
| QM | Jerrican, plastic, non-removable head |
| QN | Jerrican, plastic, removable head |
| QP | Box, wooden, natural wood, ordinary |

## Used Codes

| QQ | Box, wooden, natural wood, with sift proof walls |
| :---: | :---: |
| QR | Box, plastic, expanded |
| QS | Box, plastic, solid |
| RD | Rod |
| RG | Ring |
| RJ | Rack, clothing hanger |
| RK | Rack |
| RL | Reel |
| RO | Roll |
| RT | Rednet |
| RZ | Rods, in bundle/bunch/truss |
| SA | Sack |
| SB | Slab |
| SC | Crate, shallow |
| SD | Spindle |
| SE | Sea-chest |
| SH | Sachet |
| SI | Skid |
| SK | Case, skeleton |
| SL | Slipsheet |
| SM | Sheetmetal |
| SO | Spool |
| SP | Sheet, plastic wrapping |
| SS | Case, steel |
| ST | Sheet |
| SU | Suitcase |
| SV | Envelope, steel |
| SW | Shrinkwrapped |
| SY | Sleeve |
| SZ | Sheets, in bundle/bunch/truss |
| T1 | Tablet |
|  | A loose or unpacked article in the form of a bar, block or piece. |
| TB | Tub |

## Used Codes

| Tea-chest | Tube, collapsible |
| :--- | :--- |
| TC | Tyre |
| TD ring made of rubber and/or metal surrounding a wheel. |  |

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## Used Codes

| VR | Bulk, solid, granular particles ("grains") |
| :---: | :---: |
| VS | Bulk, scrap metal |
|  | Loose or unpacked scrap metal transported in bulk form. |
| VY | Bulk, solid, fine particles ("powders") |
| WA | Intermediate bulk container |
| WB | Wickerbottle |
| WC | Intermediate bulk container, steel |
| WD | Intermediate bulk container, aluminium |
| WF | Intermediate bulk container, metal |
| WG | Intermediate bulk container, steel, pressurised $>10 \mathrm{kpa}$ |
| WH | Intermediate bulk container, aluminium, pressurised $>10 \mathrm{kpa}$ |
| WJ | Intermediate bulk container, metal, pressure 10 kpa |
| WK | Intermediate bulk container, steel, liquid |
| WL | Intermediate bulk container, aluminium, liquid |
| WM | Intermediate bulk container, metal, liquid |
| WN | Intermediate bulk container, woven plastic, without coat/liner |
| WP | Intermediate bulk container, woven plastic, coated |
| WQ | Intermediate bulk container, woven plastic, with liner |
| WR | Intermediate bulk container, woven plastic, coated and liner |
| WS | Intermediate bulk container, plastic film |
| WT | Intermediate bulk container, textile with out coat/liner |
| WU | Intermediate bulk container, natural wood, with inner liner |
| WV | Intermediate bulk container, textile, coated |
| WW | Intermediate bulk container, textile, with liner |
| WX | Intermediate bulk container, textile, coated and liner |
| WY | Intermediate bulk container, plywood, with inner liner |
| WZ | Intermediate bulk container, reconstituted wood, with inner liner |
| XA | Bag, woven plastic, without inner coat/liner |
| XB | Bag, woven plastic, sift proof |
| XC | Bag, woven plastic, water resistant |
| XD | Bag, plastics film |
| XF | Bag, textile, without inner coat/liner |
| XG | Bag, textile, sift proof |

## Used Codes

| XH | Bag, textile, water resistant |
| :---: | :---: |
| XJ | Bag, paper, multi-wall |
| XK | Bag, paper, multi-wall, water resistant |
| YA | Composite packaging, plastic receptacle in steel drum |
| YB | Composite packaging, plastic receptacle in steel crate box |
| YC | Composite packaging, plastic receptacle in aluminium drum |
| YD | Composite packaging, plastic receptacle in aluminium crate |
| YF | Composite packaging, plastic receptacle in wooden box |
| YG | Composite packaging, plastic receptacle in plywood drum |
| YH | Composite packaging, plastic receptacle in plywood box |
| YJ | Composite packaging, plastic receptacle in fibre drum |
| YK | Composite packaging, plastic receptacle in fibreboard box |
| YL | Composite packaging, plastic receptacle in plastic drum |
| YM | Composite packaging, plastic receptacle in solid plastic box |
| YN | Composite packaging, glass receptacle in steel drum |
| YP | Composite packaging, glass receptacle in steel crate box |
| YQ | Composite packaging, glass receptacle in aluminium drum |
| YR | Composite packaging, glass receptacle in aluminium crate |
| YS | Composite packaging, glass receptacle in wooden box |
| YT | Composite packaging, glass receptacle in plywood drum |
| YV | Composite packaging, glass receptacle in wickerwork hamper |
| YW | Composite packaging, glass receptacle in fibre drum |
| YX | Composite packaging, glass receptacle in fibreboard box |
| YY | Composite packaging, glass receptacle in expandable plastic pack |
| YZ | Composite packaging, glass receptacle in solid plastic pack |
| ZA | Intermediate bulk container, paper, multi-wall |
| ZB | Bag, large |
| ZC | Intermediate bulk container, paper, multi-wall, water resistant |
| ZD | Intermediate bulk container, rigid plastic, with structural equipment, solids |
| ZF | Intermediate bulk container, rigid plastic, freestanding, solids |
| ZG | Intermediate bulk container, rigid plastic, with structural equipment, pressurised |
| ZH | Intermediate bulk container, rigid plastic, freestanding, pressurised |
| ZJ | Intermediate bulk container, rigid plastic, with structural equipment, liquids |

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## Used Codes

| ZK | Intermediate bulk container, rigid plastic, freestanding, liquids |
| :---: | :---: |
| ZL | Intermediate bulk container, composite, rigid plastic, solids |
| ZM | Intermediate bulk container, composite, flexible plastic, solids |
| ZN | Intermediate bulk container, composite, rigid plastic, pressurised |
| ZP | Intermediate bulk container, composite, flexible plastic, pressurised |
| ZQ | Intermediate bulk container, composite, rigid plastic, liquids |
| ZR | Intermediate bulk container, composite, flexible plastic, liquids |
| ZS | Intermediate bulk container, composite |
| ZT | Intermediate bulk container, fibreboard |
| zU | Intermediate bulk container, flexible |
| zV | Intermediate bulk container, metal, other than steel |
| ZW | Intermediate bulk container, natural wood |
| ZX | Intermediate bulk container, plywood |
| ZY | Intermediate bulk container, reconstituted wood |
| ZZ | Mutually defined |
| 08 | Oneway pallet (GS1 Temporary Code) <br> Pallet need not be returned to the point of expedition. |
| 09 | Returnable pallet (GS1 Temporary Code) <br> Pallet must be returned to the point of expedition. |
| 200 | Pallet ISO 0-1/2 EURO Pallet (GS1 Temporary Code) Standard pallet with dimensions $80 \times 60 \mathrm{~cm}$. |
| 201 | Pallet ISO 1-1/1 EURO Pallet (GS1 Temporary Code) Standard pallet with dimensions $80 \times 120 \mathrm{~cm}$. |
| 202 | Pallet ISO 2 (GS1 Temporary Code) <br> Standard pallet with dimensions $100 \times 120 \mathrm{~cm}$. |
| 203 | 1/4 EURO Pallet (GS1 Temporary Code) <br> Standard pallet with dimensions $60 \times 40 \mathrm{~cm}$. |
| 204 | $1 / 8$ EURO Pallet (GS1 Temporary Code) <br> Standard pallet with dimensions $40 \times 30 \mathrm{~cm}$. |
| 205 | Synthetic pallet ISO 1 (GS1 Temporary Code) <br> A standard pallet with standard dimensions $80 * 120 \mathrm{~cm}$ made of a synthetic material for hygienic reasons. |
| 206 | Synthetic pallet ISO 2 (GS1 Temporary Code) <br> A standard pallet with standard dimensions $100 * 120 \mathrm{~cm}$ made of a synthetic material for hygienic reasons. |

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## Used Codes

| 210 | Wholesaler pallet (GS1 Temporary Code) Pallet provided by the wholesaler. |
| :---: | :---: |
| 211 | Pallet $80 \times 100 \mathrm{~cm}$ (GS1 Temporary Code) Pallet with dimensions $80 \times 100 \mathrm{~cm}$. |
| 212 | Pallet $60 \times 100 \mathrm{~cm}$ (GS1 Temporary Code) Pallet with dimensions $60 \times 100 \mathrm{~cm}$. |
| AH | Pallet $100 \mathrm{cms} * 110 \mathrm{cms}$ <br> Standard sized pallet of dimensions 100 centimeters by 110 centimeters (cms). <br> EDIFACT |
| AI | Clamshell <br> EDIFACT |
| APE | Aluminium packed (GS1 Temporary Code) Packaging using thin sheets of aluminium. |
| BGE | Large bag, pallet sized (GS1 Temporary Code) <br> A non-rigid container made of fabric, paper, plastic, etc, with an opening at the top which can be closed and which is suitable for use on pallets. |
| BME | Blister pack (GS1 Temporary Code) <br> A transparent strip package of pressable plastic which allows the product to be displayed while remaining protected. |
| BRI | Brick (GS1 Temporary Code) <br> A box made of a cardboard, plastic or metal, used for liquids. |
| CBL | Container bottle like (GS1 Temporary Code) <br> A non-protected, non-cylindrical, container with a narrow neck made usually of glass or plastic which is especially used for liquids, e.g. perfume bottle. |
| CCE | Cardboard carrier (GS1 Temporary Code) A package made of cardboard. |
| CM | Card <br> A flat package usually made of fibreboard from/to which the product is often hung or attached. <br> EDIFACT |
| FOB | Folding box (GS1 Temporary Code) <br> Folded cardboard box e.g for products like frozen vegetables, paper clips |
| FPE | Foil packed (GS1 Temporary Code) Packaging using a metallic foil. |
| LAB | Labeled package (GS1 Temporary Code) <br> The package is labeled. Usually the label identifies the name, brand or description of the product within the package. |
| MPE | Multipack (GS1 Temporary Code) <br> A container for the merchandising of multiple units of the same product. |

## Used Codes

| OPE | Oxygen packed (GS1 Temporary Code) <br> A package with oxygen added for storage purposes. |
| :---: | :---: |
| PAE | Paper (GS1 Temporary Code) <br> An indication that the item(s) is packed in paper. |
| PJ | Punnet EDIFACT |
| PLP | Peel pack (GS1 Temporary Code) <br> A package used for sterile products which may be torn open without touching the product inside. |
| POP | Cone shaped paper wrapper (GS1 Temporary Code) <br> Cone shaped paper wrapping e.g. for an individually packed ice cream cone. |
| PPE | Polypropylene bag (GS1 Temporary Code) <br> A bag made from polypropylene. |
| PUE | Tray packed in plastic (GS1 Temporary Code) <br> A board with a ring packed in plastic carrying for small articles. |
| RB3 | Wheeled pallet with raised rim. $81 \times 60 \times 16 \mathrm{~cm}$ (length $\times$ width $\times$ height). (GS1 Temporary Code) <br> A wheeled pallet with raised rim for the storing and transporting of loads. Dimensions: $81 \times 60 \times 16 \mathrm{~cm}$ (length $\times$ width $\times$ height). |
| RCB | Two sided cage on wheels with fixing strap (GS1 Temporary Code) $900 \times 770 \times$ 1513 cm (length x width x height) <br> A two sided cage mounted on wheels with fixing strap.Dimensions: $900 \times 770$ $x 1513 \mathrm{~cm}$ (length $x$ width $x$ height). |
| SEC | Article Surveillance (GS1 Temporary Code) Equipped with article surveillance. |
| so | Spool <br> Any cylindrical piece on which something is wound. |
| SP | Sheet, plastic wrapping EDIFACT |
| STL | Stick (GS1 Temporary Code) <br> A container for dispensing solid substances, e.g. glue, deodorant. |
| T1 | Tablet <br> A loose or unpacked article in the form of a bar, block or piece. <br> EDIFACT |
| TEV | Tamper evident package (GS1 Temporary Code) <br> A type of package giving easy or immediate recognition that the package has been tampered with after it has been sealed. |
| THE | Three pack (GS1 Temporary Code) <br> A package containing three products. |

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## Used Codes

| TL | Tub, with lid EDIFACT |
| :---: | :---: |
| TRE | Trolley (GS1 Temporary Code) <br> A low cart for the transportation and storage of groceries, milk, etc. |
| TTE | Tube, standing (GS1 Temporary Code) <br> A screw-topped pliable cylinder capable of standing and suitable for holding pastes or semi-liquids, e.g. a tube of toothpaste. |
| TWE | Two pack (GS1 Temporary Code) A package containing two products. |
| UUE | Tube net (GS1 Temporary Code) <br> A plastic or textile tube suitable for carrying loose products, e.g. fruit. |
| UVQ | Wrapped in plastic sheet (GS1 Temporary Code) <br> An indication that the items have been wrapped in plastic sheet. |
| WRP | Wrapper (GS1 Temporary Code) <br> Wrapping e.g. for an individually packed ice cream. |
| X11 | Banded package (GS1 Temporary Code) <br> A package with bands, usually metal or nylon, round it to hold the products together. |
| X15 | Oneway pallet ISO 0-1/2 EURO Pallet (GS1 Temporary Code) Oneway pallet with dimensions $80 \times 60 \mathrm{~cm}$. |
| X16 | Oneway pallet ISO $1-1 / 1$ EURO Pallet (GS1 Temporary Code) Oneway pallet with dimensions $80 \times 120 \mathrm{~cm}$. |
| X17 | Non-standard pallett (GS1 Temporary Code) Non-Standard pallett |
| X18 | Parcel with exceptional dimensions (GS1 Temporary Code) Parcel with non-standard dimensions. |
| X3 | Standard stack of stones (GS1 Temporary Code) Standard stack of stones. |

7073 \begin{tabular}{ll}
Packaging terms and conditions code <br>
Code specifying the packaging terms and conditions. <br>
Packaging cost paid by supplier <br>
The cost of packaging is paid by the supplier. <br>

\hline 1 \& | Packaging cost paid by recipient |
| :--- |
| The cost of packaging is paid by the recipient. | <br>


| Packaging cost not charged (returnable) |
| :--- |
| There is no charge for packaging because it is returnable. | <br>

\hline
\end{tabular}

## Used Codes

| 24 | Rented |
| :---: | :---: |
|  | The package has been, or will be, rented. EDIFACT |
| 25 | Safe return deposit |
|  | A deposit paid to guarantee the safe return of the package. |
| 26 | Not reusable |
|  | The package is not reusable. |
|  | GS1 Description: |
|  | The equipment may only be used once and is not reusable for the purpose for which it was designed. |
| 27 | Package exchangeable at the point of delivery |
|  | The package may be exchanged at the point of delivery. |
| 29 | Labeled |
|  | The package is labeled. |
|  | EDIFACT |
| 1E | Unpack from (GS1 Temporary Code) |
|  | Code identifying that goods should be unpacked from the identified package. |
| 2E | Repack in (GS1 Temporary Code) |
|  | Code identifying that goods should be repacked from the identified package. |
| 3E | Pack in (GS1 Temporary Code) |
|  | Code identifying that goods should be packed from the identified package. |
| X11 | Packaging recycling fee paid by supplier (GS1 Temporary Code) |
|  | The fee for recycling packaging is paid by the supplier. |
| XX1 | Exchange Pallets (GS1 Temporary Code) |
| XX2 | Return Pallets (GS1 Temporary Code) |
| XX3 | Pallet - Third Party Exchange (GS1 Temporary Code) |
| XX4 | No Exchange / No Return Pallet (GS1 Temporary Code) |
| 7077 | Description format code |
|  | Code specifying the format of a description. |
| A | Free-form long description |
|  | Long description of an item in free form. |
| B | Code and text |
|  | Description of an item in coded and free form text. |
| C | Code (from industry code list) |
|  | Description of an item in coded format. |
|  | GS1 Description: <br> Description of an item provided in coded format from an industry list. |

## Used Codes

| D | Free-form price look up |
| :---: | :---: |
|  | Price look-up description of a product for point of sale receipts. |
| E | Free-form short description |
|  | Short description of an item in free form. |
| F | Free-form |
|  | Description of an item in free form text. |
|  | GS1 Description: |
|  | Item related general free form text description, which is neither a short or long description of the item itself. |
| S | Structured (from industry code list) |
|  | Description of an item in a structured format. |
| 7081 | Item characteristic code |
|  | Code specifying the characteristic of an item. |
| 2 | General product form |
|  | Description of general product form. |
| 3 | Ship to stock |
|  | Product without quality control when received. |
| 4 | Finish |
|  | Description of the finish required/available on the product. |
| 6 | Construction method |
|  | Description of the method of construction. |
| 13 | Quality |
|  | The degree of excellence of a thing. |
|  | GS1 Description: <br> Characteristics to be described refer to the quality of the item. |
| 27 | Material description |
|  | Description of material used to manufacture a product. |
|  | GS1 Description: <br> Free text description of the materials of which the article is composed. |
| 31 | European Community risk class |
|  | European community classification "CE" indicating the safety risk of an article. GS1 Description: |
|  | European commission classification indicating the safety risk of an article (also called CE-mark or CE-risk class). |
| 35 | Colour |
|  | Description of the colour required/available on the product. |

## Used Codes

| 38 | Grade |
| :---: | :---: |
|  | Specification of the grade required/available for the product. <br> GS1 Description: <br> Specification of the grade required/available for the product, e.g. the grade of fruit. |
| 44 | Further identifying characteristic |
|  | Description of further identifying characteristic of a product which enables the product to be distinguished from any similar products. |
|  | GS1 Description: <br> Extra descriptive information in free text which makes it possible to distinguish almost, but not completely, similar articles. |
| 45 | Private label name |
|  | Describes the private label name of a product. |
| 46 | Silhouette |
|  | Describes the outline of the item. |
| 47 | Warranty type description |
|  | The warranty type description of the item. |
| 48 | Yarn count |
|  | Describes the fineness of the yarn in the cloth. EDIFACT |
| 61 | New article |
|  | The characteristic of a new item or commodity. |
| 72 | Vintage |
|  | The harvest year of the grapes that are part of the composition of a particular wine. |
| 75 | Artist |
|  | The performing artist(es) of a recorded song or piece of music. |
| 76 | Author |
|  | The author of a written work. |
| 77 | Binding |
|  | A description of the type of binding used for a written work. |
| 78 | Edition |
|  | Description of the edition of a written work. |
| 79 | Other physical description |
|  | Any other relevant physical description. |
| 80 | Publisher |
|  | The publisher of a written piece of work as part of the item description. |
| 81 | Title |
|  | The title of a work. |

## Used Codes

| 82 | Series title <br> Title of a series of works. |
| :---: | :---: |
| 83 | Volume title <br> The title of a volume of work. |
| 84 | Composer <br> The composer of a recorded song or piece of music. |
| 85 | Recording medium <br> The medium on which a musical recording is made. |
| 86 | Music style <br> The style of music. |
| 87 | Promotional event Describes the promotional event associated with a product. |
| 98 | Size <br> Description of size in non-numeric terms. |
| 120 | Chemistry <br> Code indicating the product's chemical characteristics. |
| 126 | Pattern <br> Code indicating the product's pattern characteristics. |
| 132 | Fabric <br> Code indicating the product's fabric characteristics. |
| 169 | Market segment <br> Code indicating the market segment associated with a product. |
| 171 | Physical form <br> Code indicating the physical form of a product. |
| 196 | Additional sectorial characteristics <br> A code issued on a sectorial basis which identifies any additional characteristics of a product. |
| 197 | Product data base management description <br> A description indicating how a product should be managed in a data base. |
| 219 | Style <br> A kind, sort, or type that distinguishes one commodity from another commodity with similar characteristics. <br> EDIFACT |
| 223 | Brand name <br> The brand name of an item. <br> EDIFACT |
| ANM | Article name (GS1 Temporary Code) The name of the product. |

## Used Codes

| AVI | Available for ordering (GS1 CTemporary ode) <br> Goods are available for ordering. |
| :--- | :--- |
| BPD | Publication date (GS1 Temporary Code) <br> The publication date of a written work as an element of the description. |
| VVP | The volume or part number of a written work. |
| Description (GS1 Temporary Code) |  |
| A non-structured description of a product. |  |

## Used Codes

| IN | Invoice name (GS1 Temporary Code) |
| :---: | :---: |
|  | Free form information provider assigned trade item description designed to match trade item/service description as noted on invoices. |
| IRC | IRIS repair code (GS1 Temporary Code) |
|  | A code used in the brown goods industry to identify a repair required to correct a fault. |
| ISC | IRIS section code (GS1 Temporary Code) |
|  | A code used in the brown goods industry to identify a section containing a fault. |
| ISY | IRIS symptom code (GS1 Temporary Code) |
|  | A code used in the brown goods industry to identify a symptom of a fault. |
| KEY | Keyword (GS1 Temporary Code) |
|  | A word which may used as a search key to select items from a product file. A keyword is usually a word which does not exist in the product description but may exist in information accompanying the product, e.g. Keyword = Absorbent, Product description = Gauze dressing, Product information $=1$ Peelpack with 10 absorbent gauze dressings. |
| MNF | Manufacturer (GS1 Temporary Code) |
|  | The name of the manufacturer of the product which is printed on the product packaging. |
| NAV | Not available for ordering (GS1 Temporary Code) |
|  | Goods are not available for ordering. |
| OFS | Order Fulfilment Strategy (GS1 Temporary Code) |
|  | The method used by the supplier to fulfil a customer order for a particular product. Three strategies are recognised: Make to Order, Make to Stock and Engineer to Order. |
| PR | Product Range (GS1 Temporary Code) |
|  | A name, used by a BrandOwner, that span multiple consumer categories or uses. E.g. (Waist Watchers). |
| PRO | Production Method (GS1 Permanent Code) |
|  | Production Method Characteristics. |
| RLI | Rolling instructions (GS1 Temporary Code) |
|  | Instructions concerning the rolling of material, e.g. paper, plastic, carpet, etc. |
| SB | Subbrand (GS1 Temporary Code) |
|  | Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. |
| SBN | Primary differentiating factor that a brand owner wants to communicate (GS1 Temporary Code) |
|  | Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E. g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand. |

## Used Codes

| Scientific name (GS1 Permanent Code) |  |
| :--- | :--- |
| SCT | The scientific name of a product. |

## Used Codes

| UP9 | Shoe heel height (GS1 Temporary Code) <br> An indication of the height of the heel of a shoe. |
| :---: | :---: |
| UQ1 | Base article exception rule (GS1 Temporary Code) <br> An indication that what follows is a base article exception rule. |
| UQ2 | Orchestra (GS1 Temporary Code) <br> The Orchestra of a recorded song or piece of music. |
| UQ3 | Conductor (GS1 Temporary Code) <br> The conductor of a recorded song or piece of music. |
| UQ5 | Inspection agencies (GS1 Temporary Code) <br> Characteristics to be described refer to inspection agencies controlling the item described. |
| UQ6 | Product without theft protection (GS1 Temporary Code) The product is not fitted with a protection against theft. |
| UQ7 | Product with theft protection, active (GS1 Temporary Code) <br> The product is fitted with a protection against theft that has been activated. |
| UQ8 | Product with theft protection, inactive (GS1 Temporary Code) <br> The product is fitted with a protection against theft that has not been activated. |
| WVL | Weight or volume loss (GS1 Temporary Code) Goods have suffered a weight or volume loss. |
| XX1 | Collar Type (GS1 Temporary Code) Type of collar on the garment. |
| XX2 | Sleeve Type (GS1 Temporary Code) <br> Type of sleeve on the garment. |
| XX3 | Clothing Cut (GS1 Temporary Code) |
| XX4 | Non marked trade item components (GS1 Temporary Code) <br> This attribute indicates a nonsaleable part of the trade item. It is used to specify components of a trade item that cannot be sold separately. |
| XX5 | Campaign name (GS1 Temporary Code) <br> Name of the sales or marketing campaign, for which the textile trade item. |
| XX6 | Season name (GS1 Temporary Code) <br> Element defines the season applicable to the item. |
| XX7 | Season parameter (GS1 Temporary Code) <br> Indication of the season, in which the trade item is available, i.e. assignment to one of the following collection periods: spring/summer, autumn/ winter or all year around. |
| XX8 | Target Consumer Age (GS1 Temporary Code) <br> Identifies the target consumer age range for which a trade item has been designed. |

## Used Codes

| Target Consumer Gender (GS1 Temporary Code) |
| :--- | :--- |
| Identifies the target consumer gender for which a product has been designed. |$\quad$| Link to external description (GS1 Temporary Code) |
| :--- |
| The link (e.g. URL) to the external description. |

## Used Codes

| PV | Promotional variant number |
| :---: | :---: |
|  | The item number is a promotional variant number. <br> GS1 Description: <br> Number supplementing the identification code of a product and identifying that product as a variant of the standard product. To be used when the variation is not sufficiently significant to justify a change fo the main identification code of the product. |
| SA | Supplier's article number |
|  | Number assigned to an article by the supplier of that article. |
| SN | Serial number |
|  | Identification number of an item which distinguishes this specific item out of a number of identical items. |
| SRV | GS1 Global Trade Item Number |
|  | A unique number, up to 14 -digits, assigned according to the numbering structure of the GS1 system. 'GS1' stands for the 'Global Standards One'. |
| 7233 | Packaging related description code |
|  | Code specifying information related to packaging. |
| 1 | Product ingredients not marked on package |
|  | The ingredients of the product are not marked on the packaging of the product. |
| 2 | Product price not marked on packaging |
|  | The product price is not marked on the packaging of the product. |
| 3 | Product best before date not marked on product package |
|  | The product best before date is not marked on the packaging of the product. |
| 4 | Package not marked recyclable |
|  | Package is not marked as recyclable. |
| 5 | Promotional details marked |
|  | A code indicating that promotional details have been marked on the package. |
| 7 | Sell-by date marked on package |
|  | The package is marked with the last date on which the item may be sold. |
| 8 | Use-by date marked on package |
|  | The package is marked with the last date on which the item may be used. |
| 9 | Packaging / manufacturing date marked on package |
|  | The package is marked with the date of the packaging or manufacturing of the item. |
| 10 | No freshness date marked on package |
|  | Package is not marked with any kind of date indicating freshness, such as use-by, best before or packaging date. |

Liefermeldung

## Used Codes

| 31 | Package best before date marked Package is marked with the product best before date. |
| :---: | :---: |
| 32 | Package marked recyclable <br> The package is marked recyclable. |
| 33 | Package marked returnable The package is marked returnable. |
| 50 | Package barcoded EAN-13 or EAN-8 <br> The package is barcoded with EAN-13 or EAN-8 code. |
| 51 | Package barcoded ITF-14 <br> The package is barcoded with ITF-14 code. |
| 52 | Package barcoded UCC or EAN-128 <br> The package is barcoded with UCC or EAN-128 code. |
| 53 | Package price marked <br> The package is marked with the price. |
| 54 | Product ingredients marked on package <br> The ingredients of the product contained in a package are marked on that package. |
| 64 | Package never EPC tagged. <br> The package will never be tagged with an EPC (Electronic Product Code) transponder. |
| 65 | Package sometimes EPC tagged <br> The package will sometimes be tagged with an EPC (Electronic Product Code) transponder. |
| 78 | Package bar-coded and EPC tagged <br> The package is bar-coded and tagged with an EPC (Electronic Product Code) transponder. |
| 79 | Package EPC tagged only <br> The package is tagged with an EPC (Electronic Product Code) transponder only. |
| 80 | Marked with "display until date" <br> Package is marked with the date by which the product should be removed from the display location. |
| 81 | Package marked with a variable measure barcode <br> The package is marked with a variable measure barcode. |
| 82 | Package marked with fixed measure barcode The package is marked with a fixed measure barcode. |
| LAB | Labeled according to General GS1 Specifications for clothing and fashion accessories (GS1 Temporary Code) <br> The item is labeled according to the General GS1 Specifications for clothing and fashion accessories. |

## Used Codes

| NAB | Not labeled acc. to GS1 (GS1 Temporary Code) Specifications for clothes and fashion accessoires |
| :---: | :---: |
| NBR | Not barcoded (GS1 Temporary Code) The package is not barcoded. |
| RL1 | Peg hole round 1 (GS1 Temporary Code) <br> The item's packaging has a round peg hole. (European norm DIN EN 13010: 2003 (substitute for DIN 55512-1:1984-12)) |
| SL1 | Peg hole slot hole 1 (GS1 Temporary Code) <br> The item's packaging has a slot peg hole of type 1. (European norm DIN EN 13010:2003 (substitute for DIN 55512-1:1984-12)) |
| SL3 | Peg hole slot hole 3 (GS1 Temporary Code) <br> The item's packaging has a slot peg hole of type 3. (European norm DIN EN 13010:2003 (substitute for DIN 55512-1:1984-12)) |
| X01 | Composite Component A (GS1 Temporary Code) |
| X02 | Composite Component B (GS1 Temporary Code) |
| X03 | Composite Component C (GS1 Temporary Code) |
| X04 | RSS-14 (GS1 Temporary Code) |
| X05 | RSS-14 Stacked (GS1 Temporary Code) |
| X06 | RSS-14 Staked omnidirectional (GS1 Temporary Code) |
| X07 | RSS-14 Truncated (GS1 Temporary Code) |
| X08 | RSS expanded (GS1 Temporary Code) |
| X09 | RSS expanded truncated (GS1 Temporary Code) |
| X10 | RSS limited (GS1 Temporary Code) |
| X11 | UPC A symbol (GS1 Temporary Code) |
| X12 | UPC E Symbol (GS1 Temporary Code) |
| X13 | EANUCC 14 Symbol (GS1 Temporary Code) |
| X14 | Package not marked returnable (GS1 Temporary Code) Trade item has no returnable packaging. |
| X15 | Gift wrapping (GS1 Temporary Code) <br> Trade item is packaged in a gift wrapping. |
| X16 | Greeting card (GS1 Temporary Code) <br> Trade item is accompanied by a greeting card. |

7405
Object identification code qualifier
Code qualifying the identification of an object.

## Used Codes

| AW | Serial shipping container code <br> A single unique serial number which identifies shipping containers or shipping <br> packages. |
| :--- | :--- |
| Serial shipping container code <br> GS1 Description: |  |
| A single unique serial number which identifies shipping containers or shipping <br> packages. |  |
| Serial number |  |
| Identification number of an item which distinguishes this specific item out of a |  |
| number of identical items. |  |

8053 Equipment type code qualifier Code qualifying a type of equipment.

## Used Codes

| UL | ULD (Unit load device) <br> An aircraft container or pallet. |
| :--- | :--- |
| $\mathbf{9 3 0 3}$ | Sealing party name code <br> Code specifying the name of the sealing party. |
| CA | Carrier <br> Party undertaking or arranging transport of goods between named points. |
| Customs |  |
| 'Customs' means the Government Service which is responsible for the |  |
| administration of Customs law and the collection of duties and taxes and which the responsibility for the application of other laws and regulations |  |
| relating to the importation, exportation, movement or storage of goods. |  |

## Example

UNA:+.? '
The UNA segment contains the default service string characters.
UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099
+181013:1043+4711+REF:AA++++EANCOM+1'
The EANCOM file 4711 dated $13.10 .2018,10 \mathrm{~h} 43$ is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

## UNH+ME000001+DESADV:D:01B:UN:EAN008'

The reference number of the DESADV message is ME000001.

## BGM+351::9:X+87441+9'

The document number is 87441 .

## DTM+137:20181020:102'

The message was created on the 20th of October 2018.

## DTM+11:20181028:102'

The despatch date is the 28th of October 2018.

## DTM+17:20181028:102'

The estimated delivery date is the 28th of October 2018.

## DTM+2:20181028:102'

The delivery date requested by the outlet is the 28th of October 2018.

## DTM+200:20181028:102'

This example requires the pick up of consignment on the 28th of October 2018.

## RFF+ON:4711'

The message references to buyers order number 4711.
RFF+VN:4712'
The message references to suppliers order number 4712.

## RFF+AAS:4713'

The message references to transport document number 4713.

## RFF+DQ:4714'

The message references to delivery note number 4714.

## RFF+AAK:4714'

The message references to a related DESADV 4714.

## RFF+ALL:3'

Three DESADV are connected.

## RFF+AAN:4715'

The message references to delivery schedule number 4715.

## RFF+AAQ:5015'

The message references to unit load device identification number 5015.

## RFF+IV:4716'

The message references to invoice number 4716.

## RFF+BO:5698'

This despatch advise is based on blanket order 5698.

## RFF+XC1:AT-N-01-BIO'

The message contains only BIO products. All of them are certified by the control agency AT-N-01-BIO, as long as no other information is given at line level.

## Example

## RFF+TUU:4714:1'

The message references to the unit packet level unique identifier (upID) 4714, line 1.
NAD+BY+4071615111110: :9'
The buyer/invoicee is identified by GLN 4071615111110.
RFF+YC1:0815'
The additional identification is 0815 .

## RFF+EID:0815'

The Economic operator identifier (EO-ID) is 0815.
CTA+PD+AG-TI406:Herr Schmidt'
Purchasing contact person is Mr. Schmidt
NAD+IV+4071615111235: :9'
Invoicee is identified by GLN 4071615111235.

## RFF+YC1:0847'

The additional identification is 0847.
NAD+PW+4071615111250: : $9^{\prime}$
The collection place is identified by GLN 4071615111250.

## RFF+YC1:0808

The additional identification is 0808.

## CTA+PD+Claus Früh'

Contact person is Claus Früh.
COM+kölsch@früh.de:EM'
E-mail of Mr. Früh is kölsch@früh.de
NAD+DP+4089876511118::9++Warenempfänger-Name 1:Warenempfänger-Name 2:War enempfänger-Name 3+Industriestr.13+Köln++50825+DE'

The receipient is identified by GLN 4089876511118.

## RFF+YC1:0816

The additional identification is 0816 .

## RFF+EID:0815'

The Economic operator identifier (EO-ID) is 0815.
RFF+FID:0815'
The Facility identifier (F-ID) is 0815.
CTA+PD+Claus Früh'
Contact person is Claus Früh.
COM+kölsch@früh.de:EM'
E-mail of Mr. Früh is kölsch@früh.de
NAD+UC+4089876986411::9++Endempfänger-Name 1:Endempfänger-Name 2:Endempf änger-Name 3+Maarweg 104+Köln++50825+DE'

The ultimate consignee is identified by GLN 4089876986411.

## RFF+YC1:0816'

The additional identification is 0816 .
NAD+SU+4389876511113::9+X:X:X:X:X'
The supplier is identified by GLN 4389876511113.

## RFF+GN:HRB-471111'

## Example

German statements on business letters: HRB-471111

## RFF+YC1:0817 '

The additional identification is 0817.

## RFF+XA:WEEE DE 13345678'

The WEEE registration number is DE 13345678.

## RFF+EID:0815'

The Economic operator identifier (EO-ID) is 0815.
NAD+FW+4154321000005: : $9^{\prime}$
The freight forwarder is identified by GLN 4154321000005.

## RFF+YC1:0818'

The additional identification is 0818.
NAD+LSP+4212345000005: : $9^{\prime}$
The logistic service provider is identified by GLN 4212345000005.

## RFF+YC1:0819'

The additional identification is 0819.
NAD+UD+4399899175941::9++EDI-LAND:Herr Laufen:Garage+Bussardweg 5+Leopar
dshöhle++33818+DE'
The ultimate customer is identified by Global Location Number (GLN) 4399899175941. An address in clear text is only allowed in exceptional cases.
NAD+SF+4012345000009: : $9^{\prime}$
The ship from place is identified by Global Location Number (GLN) 4012345000009.

## EQD+UL'

the consignment is made up by unit load devices.

## MEA+PD+AAB+KGM:50'

The gross weight is 50 kg .

## MEA+PD+AAW+MTQ: $20{ }^{\prime}$

The gross volume is 20 cubic metres.

## SEL+ULD1212+SH'

The seal number connected to the equipment is ULD1212

## CPS+1'

Sequence number one.
PAC+10+:52+201: : $9^{\prime}$
10 Pallets ISO $1-1 / 1$ EURO Pallet
MEA+PD+AAD+KGM:10'
The gross weight is 10 kg .
MEA+PD+AAW+MTQ:15 '
The gross volume is 1 cubic metre.
MEA+AAE+NPP+PCE:30'
There are 30 transport pallet footprints.
CPS $+2+1^{\prime}$
Sequence number two.
PAC+1+:52:27+201: : $9^{\prime}$
This consignment line contains 1 EURO pallet.

## Example

## MEA+PD+LAY+PCE:3'

The sandwich pallet has 3 layers.
MEA+PD+AAB+KGM:5'
The gross weight is 5 kg .
MEA+PD+AAW+LTR:1'
The gross volume is 1 cubic metre.

## MEA+PD+HT+MMT:1050'

The total height is 1050 mm
PCI+33E'
Package identification

## GIN+BJ+340123450000000014 '

The SSCC is 340123450000000014

## PCI+41G'

Identification with GRAI
GIN+DA+401234500003000124'
The GRAI is 401234500003000124

## PCI+34'

Identification with GIAI
GIN+CU+40123456XY156'
The GIAI is 40123456XY156
PCI+IEN+12337616644'
Package identification
CPS $+3+2^{\prime}$
Sequence number three.
PAC+1+:52:27+201::9'
This consignment line contains 1 EURO pallet.
MEA+PD+LAY+PCE:3'
The sandwich pallet has 3 layers.
MEA+PD+AAB+KGM:5'
The gross weight is 5 kg .
MEA+PD+AAW+LTR:1'
The gross volume is one cubic metre.

## MEA+PD+HT+MMT:1050'

The total height is 1050 mm
MEA+PD+AAD+KGM:10'
The gross weight is 5 kg .
PCI+33E'
Package identification
GIN+BJ+3401234500000000014 '
The SSCC is 340123450000000014
PCI $+41 G^{\prime}$
Identification with GRAI
GIN+DA+401234500003000125 '

## Example

The GRAI is 401234500003000125
PCI +34 '
Identification with GIAI
GIN+CU+40123456XY157'
The GIAI is 40123456 XY 157
PCI+IEN+12337616644'
Package identification
PCI+16+Code:DESCR'
Label information
LIN+1++4056786542381:SRV'
The despatched product is identified by GTIN 4056786542381.
PIA+5+ABC5343:SA: :91'
Only if LIN does not provide GTIN: Articleidentification in PIA
PIA+3+4025894315970:SRV: :9'
Substitute article GTIN

## PIA+1+7788:SA::91'

The product with GTIN 4056786542381 is additionally identified with suppliers article number 7788.

PIA+1+1234:IN::92'
The product with GTIN 4056786542381 is additionally identified with buyers article number 1234.
PIA+1+4056786542381:PV::9'
The product identified with GTIN 4056786542381 is a promotional variant.
PIA+1+CH-X4711:NB: :91'
The batch number of the product is $\mathrm{CH}-\mathrm{X} 4711$.
PIA+1+CH-X4711:SN::91'
The serial number of the product is $\mathrm{SE}-\mathrm{X} 4711$.
PIA+1+CH-5343:NB::91+XYZ987:HS+4012368259753:PV::91'
Batch number, Harmonized system, Promotional variant
PIA+1+10000276:BRI::9'
Brick Code for wine
PIA+1+20000217:GAT: :9+30002816:GAV: :9'
Attribute type Colour of wine, Attribute value rosé
IMD+B+SGR::9+30/31::91:Extra small::DE'
The product identified by GTIN 4056786542381 ha got size 30/31.
IMD+A++:::Rudi Rüssel::DE'
Article long description: Rudi Rüssel
IMD+C++SG: : $9^{\prime}$
Display, it is an assortment unit
IMD+C++ACA::246'
GTIN identifiesa Transport Medium Unit (Pallet, Container, ....)
MEA+AAI+AAA+KGM:4'
The net weight is 4 kg .

## Example

## MEA+AAI+AAB+KGM: $5^{\prime}$

The gross weight is 5 kg .
MEA+PD+AAW+LTR:1'
The gross volume is 1 cubic metre.
MEA+ABW+AAL+KGM:12'
The total weight of the line item is 12 KGM .
QTY+12:5'
The quantity is 5 pieces.
QTY+192: $1^{\prime}$
1 piece without invoicing.

```
QTY+21:9'
```

The ordered quantity is 9 pieces.
FTX+3E+++www.trackingurl123456.de'
www.trackingurl123456.de
RFF+UC:7001:4711'
The despatch advide refers to ultimate customers order number 7001.

## RFF+ON:4811:7'

The despatch advide refers to line 7 of buyers order number 4811.

## RFF+XA:WEEE DE 13345678'

The WEEE registration number is DE 13345678.

## RFF+LI:4711'

The order line is based on line item reference 4711.
RFF+XC1:AT-N-01-BIO'
The article is a BIO product. It is certified by the control agency AT-N-01-BIO. The indication overwrites information of the heading section.

## RFF+TAU:4714'

The message references to the aggregated level unique identifier (aUI) 4714.
RFF+TUU:4714'
The message references to the unit packet level unique identifier (upID) 4714.
PCI+17+1:1:1:1:1:1:1:1:1:1'
The package is marked with instructions.
DTM+361:20181231:102'
Best before date is the 31th of December 2018.
DTM+36:20181231:102'
Expiry date is the 31th of December 2018.

## GIN+BX+987654 '

The batch number is 987654 .
GIN+SRV+4000862141423 '
The GTIN is 4000862141423.
GIN+BN+999888777+X+X+X+X'
The serialised GTIN is 4000862141423999888777.
PCI+16+Code:DESCR'
The use of DE 7102 must be bilaterally agreed.

## Example

## QVR+-4:21+BP'

The quantity difference is 4 units.
LIN+2++4000862141423:SRV+1:1'
Sub line to describe units included in assortment/display
PIA+5+ABC5343:SA: :91'
Only if LIN does not provide GTIN: Articleidentification in PIA
PIA+1+ABC5343:SA: :91+XYZ987:IN: :92+1111:GN: :246+0815:SN: :91'
Suppliers internal article number ABC5343, Buyers article number XYZ987, Article Group number 1111, Serial number 0815.
PIA+1+CH-5343:NB::91+XYZ987:HS+4012368259753:PV::91'
Batch number, Harmonized system, Promotional variant.
PIA+1+10000276:BRI::9'
Brick Code for wine
PIA+1+20000217:GAT::9+30002816:GAV: :9'
Attribute type Colour of wine, Attribute value rosé
IMD+C++CU: :9'
The article is a consumer unit.
IMD+A++:::Rüssel von Rudi::DE'
The article description is: Rüssel von Rudi

## QTY+45E:12'

12 piecees have been delivered.
CNT+2:3'
UNT+171+ME000001'
Number of segments in the message.
UNZ+1+4711 ${ }^{\prime}$
The transmission file contains 1 message.


[^0]:    Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

[^1]:    Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: $\mathrm{M}=$ Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

[^2]:    Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: M=Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

[^3]:    Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
    Status: M=Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

[^4]:    Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

[^5]:    Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: $M=$ Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

[^6]:    Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: $\mathrm{M}=$ Mandatory, $\mathrm{R}=$ Required, $\mathrm{O}=$ Optional, $\mathrm{D}=$ Dependent, $\mathrm{A}=$ Advised, $\mathrm{N}=$ Not used

[^7]:    Max. Occ. = Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

