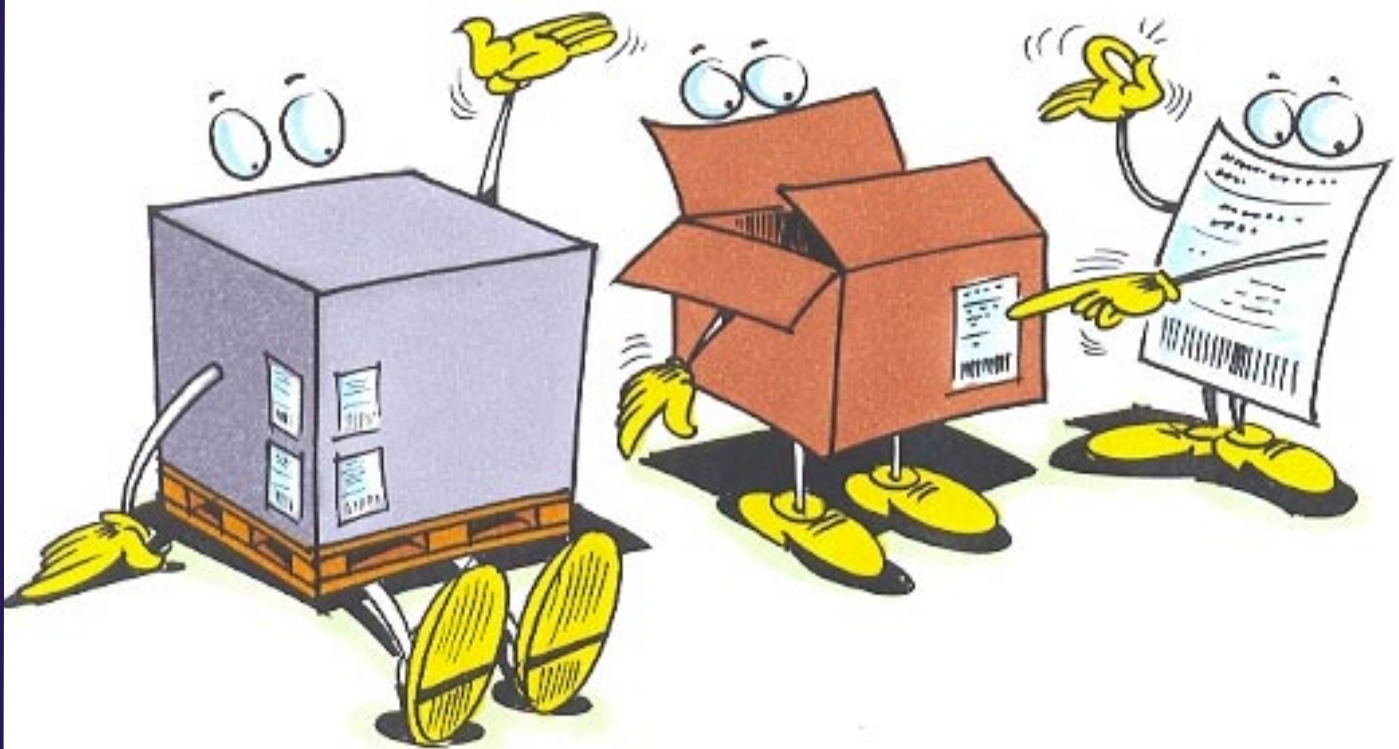




# Standard for labelling D-packs (Trading Units) and Pallets in the Norwegian Grocery Sector

Version 4.0

1 September 2005



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# Introduction



Dagligvareleverandørenes forening (DLF) and Dagligvarehandelens Miljø- og Emballasjeforum (DMF) agree that EAN/UCC 128 shall be implemented to fulfil the requirements for traceability (EU Regulation No. 178/2002) and increased efficiency in the supply chain.

In addition to the recommendations set out in EAN NORGE's brochures with regard to the labelling of outer cases and EAN/UCC 128, the Norwegian grocery sector agrees on the following requirements:

The main rule for labelling D-packs (Trading Units) and pallets (Transport Units) is that the EAN/UCC 128 system must be used. This system enables different types of product and transport information, in addition to the actual Global Trade Item Number – GTIN (EAN Article Number) to be communicated effectively. The supplementary information it may be useful to include, is information connected to the physical products themselves and not provided in product catalogues or equivalent EDI messages. For D-packs, alternative labelling can be agreed bilaterally between the supplier and retailer (see Appendix 3).

This document describes the minimum requirements for labelling. Where there is a need for supplementary information, this can be agreed between the parties.

In order to ensure that the flow of goods and information along the supply chain are as smooth and efficient as possible, we recommend that D-pack and pallet labelling be made as uniform as possible. This will simplify the labelling done by the manufacturer/supplier, the shipment by the carrier/freight forwarder, and the receipt of the goods by the wholesaler/retail outlet. Please note that if types of transport unit other than pallets are used to ship goods, the same labelling rules will apply as described in this document.

## **We have laid out below various guidelines for the type of information that must be provided on labels:**

- Section 1 deals with the description of labelling for D-packs. Appendix 1 describes the labelling of pallet display units with SSCC code, and which must be agreed bilaterally with the parties that require this. Appendix 3 covers the alternative labelling of D-packs, i.e. with EAN 13 or EAN 14. This type of labelling must be agreed bilaterally between the parties.
- Sections 2 and 3 cover the description of labelling of pallets, i.e. standard pallets and mixed pallets with both product and transport information.
- Section 4 covers practical guidelines for labelling pallets.
- Appendix 2 describes customer-packed deliveries from supplier to retailer via cross docking terminals.
- Appendix 4 gives a description of the correlation between the labelling concept and electronic despatch advice.
- Appendix 5 consists of a reference list.

# Table of contents



	Introduction	2
1.	D-packs (Trading Units)	4
1.1.	GTIN - Global Trade Item Number (EAN Article Number)	4
1.2.	Article Description	4
1.3.	Further product information	4
1.4.	Guidelines for labelling D-packs	5
1.4.1.	Type of bar code symbol	5
1.4.2.	Various information	5
1.4.3.	Quality, size and design of labels	5
1.4.4.	Location of labels on D-packs	6
1.4.5.	Bar codes	6
	Example of EAN product label for D-packs	7
2.	Pallets	8
2.1.	Two types of pallets	8
2.2.	Labelling product information	8
2.3.	SSCC code	8
2.4.	GTIN - Global Trade Item Number (EAN Article Number)	9
2.5.	Article description	9
2.6.	Further product information	9
	Example of EAN product label for standard pallet	11
3.	Labelling transport information	12
3.1	Transport label for standard pallets	12
	Example of EAN transport label for standard pallets	13
3.2	Transport label for mixed pallets	13
	Example of EAN transport label for mixed pallets	15
4.	Guidelines for labelling pallets	16
4.1.	Location of labels on pallets	16
4.2.	Various information	16
4.3.	Quality, size and design of labels	16
4.4.	Bar codes	17
Appendix 1	Labelling pallet display units with SSCC code	18
Appendix 2	Labelling customer-packed deliveries from supplier (cross docking)	20
Appendix 3	Alternative labelling of D-packs	24
Appendix 4	Description of correlation between labelling concept and electronic despatch advice level 3	25
Appendix 5	References	27

# 1. D-packs (Trading Units)



This section specifies relevant information for labelling D-packs. D-packs must be labelled with production information only. The amount of product information will depend on the type of product. See the example of EAN Product Label for D-Packs in Section 1.4.5. Note that collective cartons, display units and pallet variants less than a whole pallet (1/4, 1/3 and 1/2 pallet) are also labelled as D-packs.



## 1.1. GTIN - Global Trade Item Number (EAN Article Number)

GTIN – Global Trade Item Number is a collective term for EAN’s different numbering systems for unique article identification. This includes EAN 8, UPC 12, EAN 13 and EAN 14.

Each D-pack must have its own unique GTIN. EAN 14 with a start digit 9 must be used for D-packs containing variable measure products. For other products, a 13-digit EAN Article Number is recommended.

## 1.2. Article Description

The product’s article description must be shown in human readable text on the D-pack’s product label. The article description must be based on the article description in the EPD database, which consists of product name, properties and brand description. The article descriptions that are labelled on D-packs must align with the article descriptions in the despatch advice and invoice. This should also include a description of the packaging, for example “Coffee 12 x 500 gr”.

## 1.3. Further product information

Supplementary product information is as follows:

**The supplier’s article number** can be labelled in human readable text.

**Name of brand owner** must appear in human readable text either on the label or packaging.

**Batch or lot no**<sup>1)</sup> (EAN/UCC 128 AI 10) must be used. This is a number allocated by the manufacturer and used to ensure full traceability of the product throughout the supply chain, i.e. from the manufacturer and out to the retail outlet.

**Best before date**<sup>2)</sup> (EAN/UCC 128 AI 15) must be labelled on all D-packs that have a “Best before” date applied to consumer units.

**Net weight** (EAN/UCC 128 AI 3103) must be labelled on D-packs containing variable measure products. Net weight signifies the weight of the product excluding packing (the weight invoiced for).

1) Batch or lot no. May be omitted for the product by agreement between the parties. See Appendix 3.

2) Alternatively the last “sell by” date (EAN/UCC 128 AI 17) can be used to indicate durability.

# D-packs



The following is an overview of the labelling of product information on D-packs:

Information	Human readable text	EAN/UCC 128 (bar code)	AI	Format
EAN Article Number for D-pack	Must be labelled	Must be labelled	01	n2 + n14
Name of brand owner	Must be labelled	No labelling required		
Article description	Must be labelled	No labelling required		
Batch or lot number <sup>1)</sup>	Must be labelled	Must be labelled	10	n2 + an..20
Best before date <sup>2)</sup>	Must be labelled if consumer unit has a best before date	Must be labelled if consumer unit has a best before date	15	n2 + n6
Net weight	Must be labelled for products with variable weights	Must be labelled for products with variable weights	3103	n4 + n6
Supplier's article number	May be labelled	No labelling required		

<sup>1)</sup> Batch or lot no. can be omitted for the product by agreement between the parties. See Appendix 3.

<sup>2)</sup> Alternatively, the last "sell by" date (EAN/UCC 128 AI 17) can be used to indicate durability.

## 1.4. Guidelines for labelling D-packs

### 1.4.1. Type of bar code symbol

When bar coding D-packs, the bar code symbol EAN/UCC 128 must be used, with reference to the traceability requirements. For D-packs, alternative labelling can be agreed bilaterally between the supplier and retailer (see Appendix 3).

### 1.4.2. Various information

The same information (AI) may appear only once per label.

### 1.4.3. Quality, size and design of labels

Since the shape and size of D-packs will vary greatly, the size and design of the labels may also vary.

A requirement is that the print quality of EAN/UCC 128 bar codes shall at least satisfy ISO/IEC standard 15416, Grade C. The labels must be readable at all levels.

## D-packs



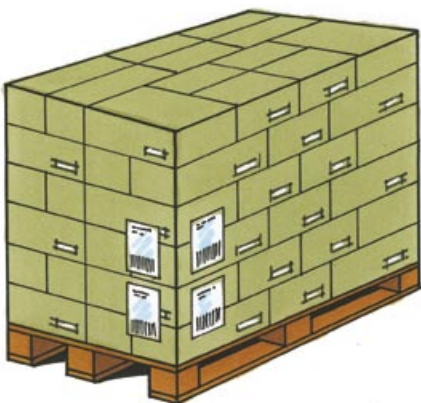
### 1.4.4. Location of labels on D-packs

Labelling of D-packs on two sides is recommended. In cases where labelling can only be undertaken on one side, the label on the D-pack must be facing towards the same side as one of the two pallet labels that have been located (consistent orientation) <sup>1)</sup>.

- When all D-packs are facing the same way, the D-pack label will be facing one of the pallet labels (either the short or long side).



- For D-packs that are stacked overlapping, the D-pack label may be placed facing the pallet's two labels, i.e. both the short and long side.



### 1.4.5. Bar codes

The following recommendations apply here to EAN/UCC 128 bar code symbols:

- The magnification factor is in the interval between 25% and 94% of nominal size.
- The minimum height of the bar code is 13 mm.
- The minimum height of the human readable text is 5 mm.

<sup>1)</sup> Ref. resolution in STAND (The Standardisation Committee for Norwegian grocery business) 10.11.2004.

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## D-packs



### Example of EAN product label for D-packs

<b>Manufacturer's name/logo</b>	
Frozen chops 6 units x 500g	
GTIN (EAN art. no.) <b>7012345000013</b>	Supp. article no. <b>500001</b>
Best before <b>31.12.2007</b>	Batch no. <b>12345XF</b>
 <b>(01) 07012345000013 (15) 071231 (10) 12345XF</b>	

## 2. Pallets

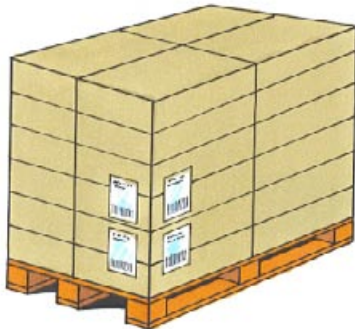


### 2.1. Two types of pallets

In this specification we distinguish between two types of pallets, depending on the contents of the unit.

- **Standard pallet.** Unit containing the same product (same GTIN) with a fixed number of D-packs and where the pallet can be labelled with unambiguous product information. For production reasons, it may be the case that a standard pallet contains the same type of product, but with a different batch/lot number and/or best before dates. This is a deviation from the main rule, and must be agreed bilaterally between the parties.
- **Mixed pallet.** Unit containing different products or where the pallet cannot be labelled with unambiguous product information.

Standard pallet



Mixed pallet



Standard pallets are labelled with both product and transport information. Since the product information and transport information are as a rule known at different times, the practical solution is to mark the unit with two different labels:

1. Label containing product information (including SSCC code)
2. Label containing transport information

Mixed pallets are marked with only one label type. No product information is included, only transport information, including the SSCC code.

If all the information is known at the time the pallet is labelled, all the information can be provided on one label.

The labelling of pallet display units is described in Appendix 1.

### 2.2. Labelling product information

This section specifies current product information for labelling standard pallets. This information will normally be included in what in this specification is termed an EAN Product Label (see example of label in Section 2.6.). Note that this section does not apply to mixed pallets.

### 2.3. SSCC code

The SSCC code (Licence Plate EAN/UCC 128 AI 00) must be labelled on each individual pallet in human readable text and with a bar code. The SSCC code identifies the individual pallet. Note that if both a product label and transport label are used, the SSCC code can be given on both labels provided exactly the same code is used.

# Pallets



The bar code with the SSCC code should be printed on the bottom line of the bar codes. It is recommended that only the SSCC code be placed on this line (no concatenation).

## 2.4. GTIN - Global Trade Item Number (EAN Article Number)

Pallets must always be labelled with the EAN Article Number (GTIN). There are several ways of doing this:

- Primarily, the EAN Article No. for D-packs must be used (EAN/UCC 128 AI 02), and the number of D-packs on the pallet must also be stated (EAN/UCC 128 AI 37).
- The pallet's own unique EAN Article No. can also be stated (EAN/UCC 128 AI 01).
- If the whole pallet is defined as a D-pack, the EAN Article No. for this D-pack (pallet) must be used (EAN/UCC 128 AI 01). In that case, the number of D-packs on the pallet should not be stated.

## 2.5. Article description

The article description of the product must appear in human readable text on the pallet's product label. The article description shall be based on the article description in the EPD database which consists of product name, properties and brand description. The article descriptions that are marked on pallets must align with the article descriptions in the despatch advice and invoice.

## 2.6. Further product information

Supplementary product information can or should include the following:

**Batch or lot no**<sup>1)</sup> (EAN/UCC 128 AI 10) is generated by the manufacturer and is used to trace the product back to a specific production series.

**Best before date**<sup>2)</sup> (EAN/UCC 128 AI 15) must be labelled on all pallets that have a "Best before" date applied to Consumer Units (CU).

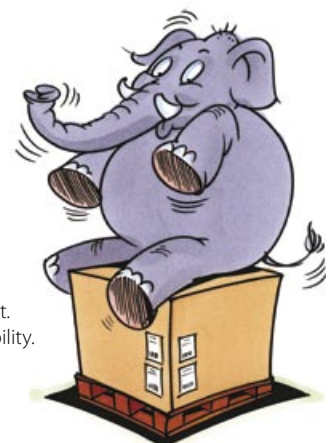
**Net weight** (in grams - EAN/UCC 128 AI 3103) must be labelled on variable measure products. Net weight signifies the weight of the product excluding packing (the weight invoiced for).

**Gross weight** (in kg) must be labelled in human readable text on each individual pallet. Gross weight is defined as the weight of the product including packing and pallet (load carrier).

**Max. stacking weight** (in kg) must be labelled in human readable text.  
Ref. STAND 006.

**Temperature** requirement must be labelled in human readable text where the product has a temperature requirement.

<sup>1)</sup> Where the batch/lot no. is omitted on the D-pack, it can also be omitted on the pallet.  
<sup>2)</sup> Alternatively, the last "sell by" date (EAN/UCC 128 AI 17) can be used to indicate durability.



## Pallets



The product information labelling guidelines can be summarised as follows for Standard Pallets:

Information	Human readable text	EAN/UCC 128 (bar code)	AI	Format
SSCC code (Licence Plate) <sup>1)</sup>	Must be labelled	Must be labelled	00	n2 + n18
EAN Article No. for pallet <sup>2)</sup>	Can be labelled	Can be labelled	01	n2 + n14
EAN Article No. for D-pack in the pallet	Must be labelled	Must be labelled	02	n2 + n14
Number of D-packs in pallet	Must be labelled except when pallet is defined as a D-pack	Must be labelled except when pallet is defined as a D-pack	37	n2 + n..8
Article description	Must be labelled	No labelling required		
Batch or Lot No. <sup>3)</sup>	Must be labelled	Must be labelled	10	n2 + an..20
"Best before" date <sup>4)</sup>	Must be labelled if CU has printed "best before" date	Must be labelled if CU has printed "best before" date	15	n2 + n6
Net weight	Must be labelled if variable measure products are included	Must be labelled if variable measure products are included	3103	n4 + n6
Gross weight	Must be labelled	Can be labelled	3300	n4 + n6
Max. stacking weight	Must be labelled	No labelling required		
Temperature requirement	Must be labelled if the product has a temperature requirement	No labelling required		

<sup>1)</sup> The SSCC code should be given on the product label, but can be used on both labels providing exactly the same code is used.

<sup>2)</sup> May be used in a transition period in special cases.

<sup>3)</sup> Where the batch/lot no. is omitted on the D-pack, it can also be omitted on the pallet.

<sup>4)</sup> Alternatively, the last "sell by" date (EAN/UCC 128 AI 17) can be used to indicate durability.

# Pallets



## Example of EAN product label for standard pallet

Manufacturer's name/logo	
Frozen peas	
GTIN (EAN article no.) <b>7012345000013</b>	No. of D-packs <b>40</b>
Best before <b>31.12.2007</b>	Temp. requirement <b>-18°C</b>
SSCC code <b>370123451234567892</b>	Tolerate <b>460 kg</b> top load
	Gross weight <b>460 kg</b>
	Batch no. <b>12345XF</b>
	

## 3. Labelling transport information



This section specifies current transport information for labelling pallets.

### 3.1 Transport label for standard pallets

With regard to Standard Pallets, the SSCC code is marked on the EAN Product Label (see Section 2.3). Note that where both the product and transport label are used, the SSCC code can be marked on both labels provided that exactly the same code is used.

**Shipper's name, address etc.** The pallet must be marked with the shipper's name, street address, post code and town in human readable text.

**Consignee's name, address, etc.** The pallet must be marked with the consignee's name, street address, post code and town (the delivery address) in human readable text.

**Customer's reference.** The pallet must be marked with the customer's reference number (e.g. customer's purchase order number). More than one reference may be given.

#### Dispatches via cross docking terminal:

**Name, address etc. of cross docking terminal.** The pallets should be marked with the name of the cross docking terminal, street address, post code and town. These details should appear in the "via" field.

The following is an overview of transport labels for labelling standard pallets:

Information	Human readable text	EAN/UCC 128 (bar code)
Shipper's name, street address, post code/town	Must be labelled	No labelling required
Consignee's name, street address, post code/town	Must be labelled	No labelling required
Name, address etc. of cross docking terminal	To be labelled when the delivery goes via cross docking terminal	No labelling required
Customer's reference	Must be labelled	No labelling required
SSCC code (Licence Plate) <sup>1)</sup>	No labelling required	No labelling required

<sup>1)</sup> SSCC code should be given on the product label, but can be used on both labels providing exactly the same code is used.

## Labelling transport information



### Example of EAN transport label for standard pallets

From <b>EAN NORGE</b> <b>Spireaveien 6</b> <b>0513 OSLO</b>
To <b>Grossist AS</b> <b>Seljeveien 6</b> <b>3940 PORSGRUNN</b>
Via <b>Coop Norge Sentrallager</b> <b>Østre Aker vei 264</b> <b>0977 OSLO</b>
Customer's reference: <b>12345</b>

### 3.2 Transport label for mixed pallets

**The SSCC code** (Licence Plate EAN/UCC 128 AI 00) must be labelled on each individual pallet in human readable text and with a bar code. The SSCC code identifies the individual pallet (see Section 2.3).

**Shipper's name, address etc.** The pallet must be marked with the shipper's name, street address, post code and town in human readable text.

**Consignee's name, address, etc.** The pallet must be marked with the consignee's name, street address, post code and town (delivery address) in human readable text.

#### **For dispatches via the cross docking terminal:**

**Name, address, etc. of cross docking terminal.** Pallets should be labelled with the cross docking terminal's name, street address, post code and town. These details should appear in the "via" field.

**Customer's reference.** The pallet must be labelled with the customer's reference number (e.g. the customer's purchase order number).

**Gross weight** (in kg) must be labelled in human readable text on each individual pallet. Gross weight is defined as the weight of the product including packing and pallet (load carrier).

**Temperature requirement** must be labelled in human readable text if the product has a temperature requirement.

## Labelling transport information



The following is an overview of transport labels for labelling mixed pallets:

Information	Human readable text	EAN/UCC 128 (bar code)	AI	Format
Shipper's name, street address, post code, town	Must be labelled	No labelling required		
Consignee's name, street address, post code, town	Must be labelled	No labelling required		
Name, address etc. of cross docking terminal	Must be labelled when the delivery goes via the cross docking terminal	No labelling required		
Customer's reference	Must be labelled	No labelling required		
Gross weight	Must be labelled	Can be labelled	3300	n4+n6
Temperature requirement	Must be labelled	No labelling required		
SSCC code (Licence Plate)	Must be labelled	Must be labelled	00	n2+n18

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## Labelling transport information



### Example of EAN transport label for mixed pallets

From <b>EAN NORGE</b> <b>Spireaveien 6</b> <b>0513 OSLO</b>
To <b>Grossist AS</b> <b>Seljeveien 6</b> <b>3940 PORSGRUNN</b>
Via <b>Coop Norge Sentrallager</b> <b>Østre Aker vei 264</b> <b>0977 OSLO</b>
Customer's reference <b>12345</b> Gross weight <b>460 kg</b> Temperature requirement <b>- 18 C</b> SSCC code <b>370123451234567892</b>
 <b>(00) 370123451234567892</b>



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## Guidelines for labelling pallets



### 4.4. Bar codes

With regard to bar code labelling with EAN/UCC 128, reference is made to the *General EAN/UCC Specification in Section 5.3*. We draw particular attention to the following:

- The magnification factor is in the interval between 50% and 94% of nominal size.
- The minimum height of the bar code is 32 mm.
- When labelling the GTIN (AI 01 and AI 02) 14 digits must always be used. When GTIN has 13 digits, a leading zero must be added (e.g. 07038010000065).
- For bar code labelling in EAN/UCC 128, an indicator known as Function Code 1 (FNC1) is used between the individual pieces of information. This applies in all cases except for the AIs, which have a pre-defined fixed length. The following AIs in this document have a pre-defined length: AI 00, AI 01, AI 02, AI 15.
- It is recommended to have the AI that will be succeeded by FNC1 at the end of the bar code line, since then the FNC1 can be omitted.
- It is important to fulfil the requirements for light margins. For magnification factor 50%, the left and right light margins are 5 mm, and for 94% they are 9.4 mm.

## Appendix 1

# Labelling pallet display units with SSCC code

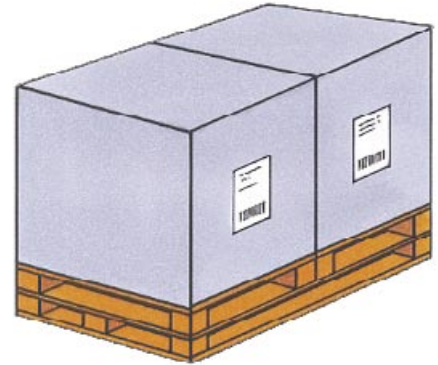


The main rule is that a pallet display unit is labelled as **one** D-pack that contains a fixed number of consumer units.

Some retailers require pallet display units to be marked with an SSCC code.

This type of labelling must be agreed bilaterally with the parties that require this.

Per definition, this pallet display unit applies in the form of 1/4, 1/3 and 1/2 pallets (calculated as area) which each have their load carriers, and are built up on a Euro pallet which further makes up a transport unit. There is a limited number of suppliers, mainly Norwegian, who operate with this type of pallet display unit.<sup>1)</sup>





<sup>1)</sup> When pallet display units are included in a transport unit both the pallet display units and transport unit must be labelled with SSCC codes. This entails a supplement to the D-pack label and use of electronic despatch advice (DEDIP2 DESADV) level 4.



## D-pack label with SSCC code for pallet display units

The label for pallet display units has the same information content as a normal D-pack label but with the addition of the SSCC code. The pallet labels are unchanged (see Sections 2 and 3). For a description of the SSCC codes, see Section 2.3.

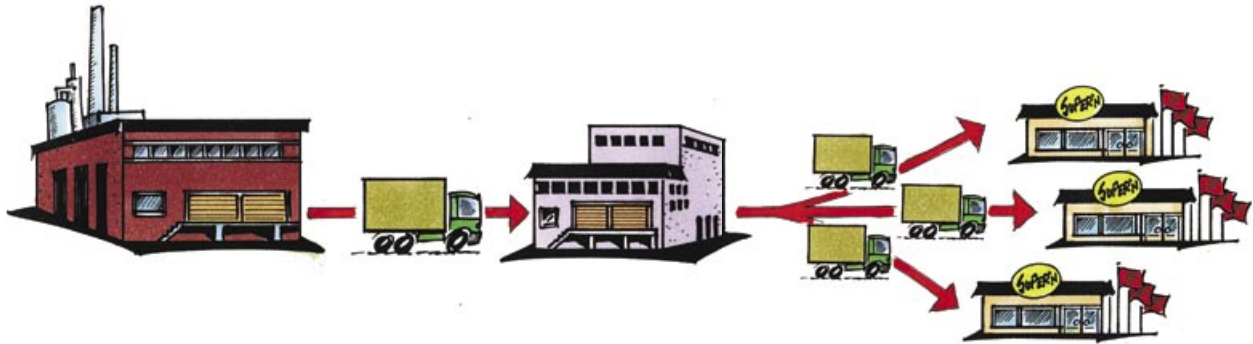
<b>Manufacturer's name Logo etc</b>	
<b>Frozen chops 6 units X 500 gram</b>	
GTIN (EAN article no) <b>7012345000013</b> Best before <b>31.12.2007</b> SSCC code <b>370123450000001004</b>	Supp. article no. <b>500001</b> Batch no. <b>12345XF</b>
 (01)07012345000013(15)071231(10)12345XF	
 (00)370123450000001004	

## DEDIP2 DESADV (despatch advice) for pallet display units

DEDIP2 DESADV for pallet display units entails a level 4 for the despatch advice. On the line level for pallet display units, an SSCC code must be given for each pallet display unit (level 4 of despatch advice). See the user profile for DEDIP2 Despatch advice (can be downloaded from [www.ean.no](http://www.ean.no)).

## Appendix 2

### Labelling customer-packed deliveries from supplier (cross docking)



This applies to labelling with SSCC codes on to unit levels when customer-packed units are included in a transport unit. This entails separate labelling of the customer-packed unit and the use of electronic despatch advice (DEDIP2 DESADV ) level 4.

Per definition this applies to customer-packed units that do not need to have their own load carriers, and are built up on a standardised transport unit (e.g. Euro pallet).

A transport unit with customer-packed units is separated upon receipt at the distribution warehouse, and the individual customer-packed unit is forwarded to retail outlets/final recipient. It is a prerequisite that all customer-packed units that are located on the same pallet are going to the same distribution warehouse.

#### Transport label for pallets

The pallets are labelled with a transport label in a similar way to the mixed pallets.

The shipper, consignee and any via address are specified here. Consignee is defined here as the distribution warehouse where the pallet is separated and the customer-packed units are forwarded to the respective final recipients.

Note that if the whole pallet is going to the same final recipient, this pallet is labelled as for customer-packed units.



## Transport label for pallets consisting of customer-packed units

<p>From <b>Gilde ANS</b> <b>Lørenveien 35</b> <b>0585 OSLO</b></p> <p>To <b>ASKO Vest</b> <b>Sandbrekkeveien 95</b> <b>5224 Nesttun</b></p> <p>Via <b>Joh. System</b> <b>Nedre Kalbakkvei 22</b> <b>0950 Oslo</b></p>
<p>Customer's reference <b>12345</b> Gross weight <b>460 kg</b> Temperature requirement <b>- 18 C</b> SSCC code <b>370123451234567892</b></p>  <p>( 0 0 ) 3 7 0 1 2 3 4 5 1 2 3 4 5 6 7 8 9 2</p>

### Transport label for customer-packed unit

The customer-packed unit is labelled with a transport label containing the following information:

- The supplier is given as the shipper.
- The final recipient/final delivery address is given as the consignee.
- It is recommended to give the distribution warehouse where the pallet will be separated/cross docked in the "via" field.
- A separate field is given on this label for transport information. This is information that the customer sends to the supplier in his order, and which the supplier must print on the label for customer-packed units. The format and content in the transport information is agreed between the parties.



## Transport label for customer-packed unit

From <b>Gilde ANS</b> <b>Lørenveien 35</b> <b>0585 OSLO</b>		
To <b>Meny Nesttun</b> <b>Nesttunveien 90</b> <b>5221 Nesttun</b>		
Via <b>ASKO Vest</b> <b>Sandbrekkeveien 95</b> <b>5224 Nesttun</b>		
Transport information		
Departure	Loading area	Departure time
<b>1:1001</b>	<b>U-1/Nord</b>	<b>Man 06.06 12:00</b>
Customer's reference <b>12345</b>		
Gross weight <b>460 kg</b>		
Temperature requirement – <b>18 C</b>		
SSCC code <b>370123451234567892</b>		
		
<b>( 0 0 ) 3 7 0 1 2 3 4 5 1 2 3 4 5 6 7 8 9 2</b>		



## DEDIP2 DESADV (despatch advice) for customer-packed units

For DEDIP2 DESADV for customer-packed units level 4 is used.

The despatch advice message only contains the delivery of the same distribution warehouse, i.e. where the pallets are separated for forwarding of retail outlet-packed units.

The message is structured as follows:

Shipper and consignee (distribution warehouse) are given in the header of the message. The pallets' SSCC codes are given in the normal way (GIN gr. 14).

The content of each individual customer-packed unit is given on the line level. The SSCC code and GLN (EAN Location Number) for the final recipient are given as supplementary information on the product line, and repeated for each product that is included in the customer-packed unit.

## Appendix 3

### Alternative labelling of D-packs




For labelling of D-packs (Trading Units) and pallets (Transport Units), the main rule is that EAN/UCC 128 must be used.

Where a supplier finds that such labelling is difficult due to practical, financial or organisational reasons, or because decisions on labelling are part of the company's international strategy and practice, this can be taken up with the customers. With a well documented basis by the supplier, the retailers will be positive to bilateral agreements where it is sufficient to label D-packs with EAN 13 or EAN 14 (ITF 14).

In these cases, it is assumed that it is not necessary to label D-packs with a batch/lot number or best before date.

Example:

<b>Manufacturer's name Logo etc</b>	
<b>Steel wool 6 units X 100 gram</b>	
<b>GTIN (EAN article no.) 7012345000013</b>	<b>Supp. article no. 500001</b>
 <b>7 012345 000013</b>	



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## Appendix 4

# Description of correlation between labelling concept and electronic despatch advice level 3



In DEDIP2 Despatch advice level 3, also known as ASN (Advanced Shipping Note), the SSCC code is used in order to uniquely identify each individual pallet, and this SSCC code is the main key in the despatch advice. It is also specified at line level which D-packs the pallet consists of. The number of D-packs and the batch/lot number, and – if available - best before date are given at D-pack level.

### The supplier

When the pallets are built by the supplier, each pallet is assigned a unique SSCC code.

This takes place during production for standard pallets, and the following information is linked to the SSCC code in the supplier's ERP system:

- GTIN<sup>1)</sup> of D-pack
- No. of D-packs
- Article description
- Batch/lot number
- Best before date

For mixed pallets, product picking and building of pallets will mainly be linked to a specific customer order. The same information as for standard pallets (see above) will be linked to the unique SSCC code for the mixed pallet.

When the supplier receives an order from the customer (the retailer), the following information will be linked to the relevant order:

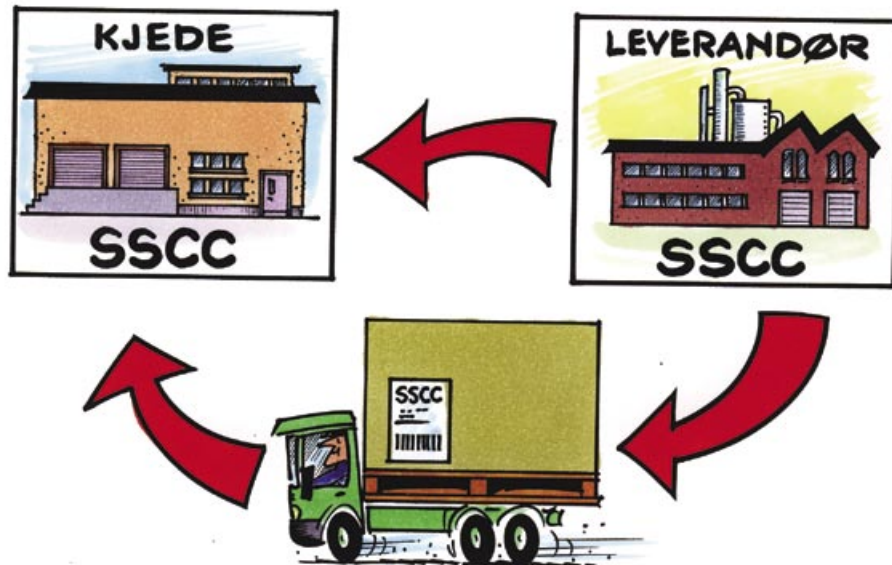
- Customer's reference (the customer's PO number)
- SSCC codes for standard pallets and mixed pallets with associated product information (see above)
- GLN<sup>2)</sup> for the supplier (seller, pick-up point)
- GLN<sup>2)</sup> for the customer (customer, delivery address, or cross docking terminal)

Upon shipment, the supplier will send an electronic despatch advice (DEDIP2 DESADV level 3) to the customer. It is then the SSCC codes on the standard pallets and mixed pallets that link the physical delivery to the content of the electronic despatch advice.

The supplier has thus full control of the shipment with regard to traceability, since his ERP system has linked together the product's GTIN and batch/lot number with the SSCC code for the pallet containing the product, and for the delivery address to which it is sent.

<sup>1)</sup> GTIN (Global Trade Item Number) is a collective term for EAN's different number systems for article identification (covers EAN 8, UPC 12, EAN 13 and EAN 14).

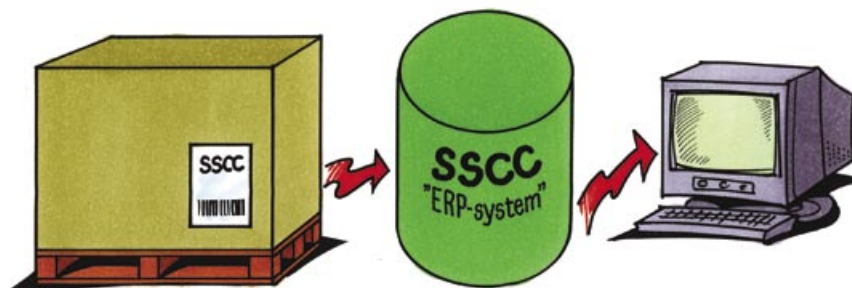
<sup>2)</sup> GLN (Global Location Number) is defined as the EAN Location Number.



## The customer

When the pallets arrive at the distribution warehouse, it is a requirement that the customer has already received the electronic despatch advice.

Upon receipt, the SSCC codes on the standard and mixed pallets are scanned. An entry against the electronic despatch advice is then made, and a check can be made that the relevant pallet contains the specified products. The stock is updated based on information in the despatch advice. Thus, there is no need to scan each D-pack.



In this way, the customer has full control with regard to traceability from his suppliers, since his ERP system links together the product's GTIN and batch/lot number with the SSCC code for the pallet where the product is located, and from which supplier it has been received.

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## Appendix 5

### References



**DLF**      [www.dlf.no](http://www.dlf.no)

**DMF**      [www.dmf.no](http://www.dmf.no)

**STAND**    [www.stand.no](http://www.stand.no)

**Best practice for tracking, withdrawing and recalling in the Norwegian grocery sector**

<http://www.stand.no/filestore/Heledokumentet.pdf>

**EAN NORGE** [www.ean.no](http://www.ean.no)

**Standard for labelling D-packs and pallets in the Norwegian Grocery Sector version 4.0**

**DEDIP2 Despatch Advice**

**General EAN/UCC Specification – Section 5.3**