



The GS1 Logistics Label and its use in Germany

Heide Buhl, Senior Project Manager EAN Standards, GS1 Germany GmbH



Sample of a typical Logistics Label



	
SSCC: 340 25700 101360009 9	
GTIN: 40 25700 12345 9	
Best before: 31.12.08	Lot-No.: 123456
 (01) 04025700123459 (15) 031231	
 (00) 340257001013600099 (10) 123456	



Basic Rules for the Logistics Label (part 1)

Source: General Specifications (Version 6.0), 2.2.4.2 ff

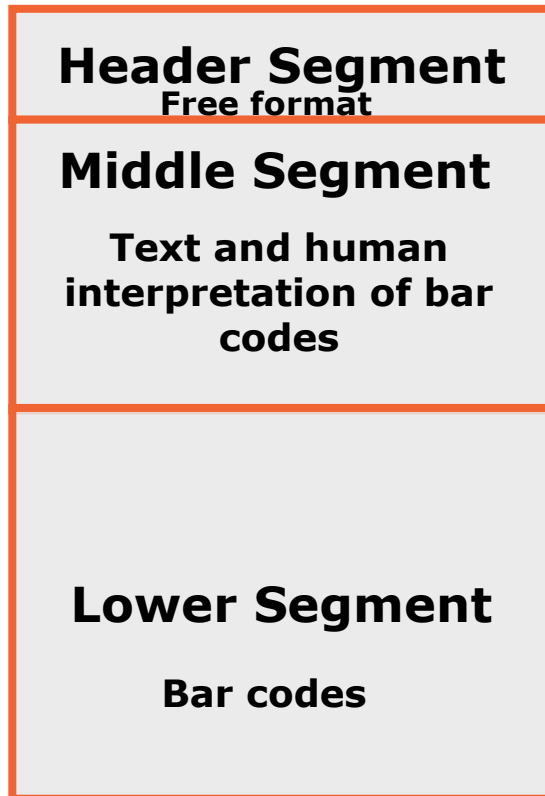
- The GS1 Logistics Label has three sections.

The top section of the label contains free format information.

The middle section contains text information and the Human Readable Interpretation of the bar code symbol(s).

The lowest section contains the bar code symbol(s).

Dimension of the GS1 128 Logistic Label



DIN A6

- Width 105 mm, height 148 mm
- High capacity of information: 105 mm, height dependent on amount of information

DIN A7

- Contains only SSCC

Basis Rules for the Logistics Label (part 2)

General Specifications (Version 6.1), 2.2.4.2.1 ff

- The **one mandatory field** for all GS1 Logistics Labels is the **SSCC**. The SSCC is an identification number that is unique to each logistic unit. The SSCC is represented by AI (00) and **in principle is sufficient** for all logistics applications.

Figure 2.2.4.5-1

The Basic Label: An SSCC

AI



AI

- However, when EDI is not available at each point in the supply chain, or when replicated data is desired, certain additional elements of information are desirable in bar code form.



Exempel 1 taken from the Real World, 1999

**Transport label
Used
By Schöller
(German
Manufacturer)**



Schöller Lebensmittel GmbH & Co. KG

001271

SLG KP CARETTA ORANG

WE

340082101002967719

EAN

4008210001271

Menge

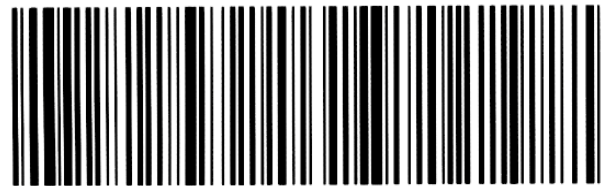
224

Charge

U 719614

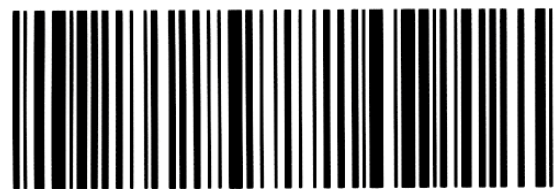
MHD unter -18° Celsius

18.07.99



(01) 04008210001271 (15) 990718 (30) 0224

**GTIN +
Best before**



(00) 340082101002967719


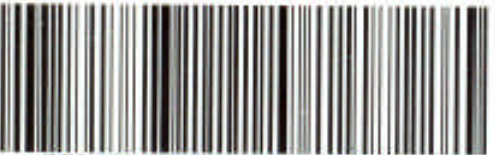
SSCC

Exempel 2 taken from the Real World, 2005

**Sent to GS1
Germany for test
purposes**

**(1 out of
8.000 label
checks in 2005)**

**Please note:
The SSCC
should not be
concatenated**

Stuttgarter Hofbräu	
NVE: 3 4100460 00 0000008 8	
Artikel: Pilsner 20 x 0,5l	Menge (Stk.): 40
MHD: (TT.MM.JJ) 18.08.05	Chargennummer: 00CBBCAE N
EAN: 0 41 00460 111103	Bruttogewicht 805,00 kg
 (02)04100460111103(37)40(15)050818(10)00CBBCAE N	
 (00)3410046000000000088(3302)080500	

**GTIN + Count
Lot-No.**

SSCC + gross weight





What kind of routing information is used by a local network of 30 carriers in Germany?

Statements taken from the case studies distributed to you

- SSCC is the basis for unmistakable identification and communication in the company`s network
- Labelled transport units are linked to respective shipment orders in the order management system
- Order is then registered and prepared for hub or direct routes with the SSCC scanned at every interface
- The **package routing** is a paperless process based on the data generated by scanning the SSCC





What routing information is used by a logistics service provider on the GS1 128 Transport Label ?

DACHSER uses routing purposes:

- SSCC as bar coded information and in human readables
- Scanned at every interface by mobile data scanners
- If possible SSCC is used in combination with EDI (DESADV etc.)

- Exception: In one location they use information in human readables only due to high time pressure



Voluntary agreement in German FMCG Sector on the use of routing information*

**1)
Ship to postal code (421)
or
Routing information (403)
are
optional data**

**2)
The address of the consignee
must be in the top section,
if EDI is not ensured,
otherwise it is optional**

Exception: Direct delivery

If Carrier Information is applied: ¶
a) → ship to postal code (421) in bar code ←
or ¶
b) → routing information (403) in bar code ←
←
both are optional; both can be used at a time in
bar-coded form and/or in writing ¶
¶
and, of course, use the SSCC already on the TU or, if no
SSCC is existing, create a new (e.g. for new logistic unit) ¶
¶
The address of the consignee must be indicated if
information exchange via EDI is not ensured; otherwise
it is optional (phase 3 according to EUL-
recommendation) ¶
Note: This is only mandatory if a company
committed itself to the EUL recommendation;
the official GS1 Germany specifications leave it at
the discretion of the user. ¶
x

*Under the Efficient Unit Loads Guidelines
which are fully compliant with GenSpecs
but more specific

Ultimate Goal

SSCC on the GS1 Logistics Label
with EDI
to support all logistics applications

But for today
- as full EDI integration is not yet state of the art -
Let`s define a common solution
for routing requirements
to overcome the current technical gap





Questions?
Please contact:

Heide Buhl
GS1 Germany GmbH
50931 Köln
Maarweg 133
Tel: 0049 221 947 14-225
eMail: buhl@gs1-germany.de

www.gs1-germany.de

