



GS1 Logistic Label – Routing information Based on experience from Norway

Knut Vala, GS1 Norway

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- Norwegian experience of use of the GS1 identification system
 - Fully implementation of SSCC-code and Consignment-number
- Need for routing information on the label that is used by the transporters
- HELL Label – only information related to the product for use between supplier and customer and not focused on the transport & routing information



- Deliveries via terminals/distribution centres (hub) – not direct deliveries
- Information related to the consignment and transport units are sent by EDI
- The GS1 Logistic Label should be sufficient for the transport between the supplier and customer - No relabelling



Minimum GS1 Logistic Label in Norway

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From SUPPLIER Spireaveien 6 NO-0513 OSLO
To WAREHOUSE Seljeveien 6 NO-3940 PORSGRUNN
SSCC – code 370123451234567892
 (00) 370123451234567892

Examples of pallets with two different SSCC-codes

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These pallets have two labels with different SSCC-codes



- Supplier (shipper) section - mandatory
- Customer (receiver) section - mandatory
- Routing information - optional
- Carrier information - optional
- Information of transport unit - mandatory
- **Barcoded Information – mandatory**

Transport instructions are sent by EDI (e.g. IFTMIN)



Mandatory information of supplier (HR text)

- Name of supplier (shipping) company
- Address of supplier (Shipping Address)
- Zip-code + place/city
- Country code (conditional)

Examples of optional information (HR Text)

- GLN of supplier (shipper) address

Examples of optional information (barcode GS1-128)

- GLN of supplier (shipper) address

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Mandatory information (HR text)

- Name of customer (receiving company)
- Delivery Address
- Zip-code + Place/city
- Country code (conditional)

Examples of optional information (HR text)

- GLN of customer (receiving address)
- Contact details
 - Telephone

Examples of optional information (barcode GS1-128)

- GLN of customer (receiving address)
- Barcoded Zip-code

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Examples of optional information (HR text)

- Via address
 - Terminal name
 - Terminal Address
 - Zip-code + Place/city
 - Country code (conditional)
 - **Destination code**
- GLN of cross-docking terminal
- Routing code
 - Initiated by carrier
 - Initiated by supplier
 - Initiated by customer

Examples of optional information (barcode GS1-128)

- GLN of cross-docking terminal

From SUPPLIER Spireaveien 6 NO-0513 OSLO
To WAREHOUSE Seljeveien 6 NO-3940 PORSGRUNN
Via DISTRIBUTION CENTRE COOP Østre Aker vei 264 NO-0977 OSLO
Customer's reference 12345 Gross weight: 460 kg Temperature requirement - 18° C SSCC – code 370123451234567892
 (00) 370123451234567892

Examples of optional information (HR text)

- Carriers name
- Carriers telephone
- Carriers GLN
- Carriers product/service

From SUPPLIER Spireaveien 6 NO-0513 OSLO	
To WAREHOUSE Seljeveien 6 NO-3940 PORSGRUNN	
Transporter:	Linjegods / Schenker
Telephone:	22882799
Service:	Express
SSCC:	370123451234567892
	
(0 0) 3 7 0 1 2 3 4 5 1 2 3 4 5 6 7 8 9 2	

Mandatory

- SSCC-code (in human readable text and barcode – GS1 -128)

Conditional information (HR text)

- Dangerous goods

Examples of optional information (HR text)

- Total number of transport units in consignment
- Gross weight
- Stacking weight (top load weight)
- Temperature (max/min)
- **Delivery instructions**
- Consignment number

Examples of optional information (barcode GS1-128)

- Gross weight
- Consignment number

<p>From SUPPLIER Spireaveien 6 NO-0513 OSLO</p>
<p>To WAREHOUSE Seljeveien 6 NO-3940 PORSGRUNN</p>
<p>Via DISTRIBUTION CENTRE COOP Østre Aker vei 264 NO-0977 OSLO</p>
<p>Customer's reference 12345 Gross weight: 460 kg Temperature requirement - 18° C SSCC – code 370123451234567892</p>
 <p>(0 0) 3 7 0 1 2 3 4 5 1 2 3 4 5 6 7 8 9 2</p>

Mandatory information

- **SSCC-code (identifier of transport unit)**

Examples of optional information

- **Consignment number**
- **GLN**
- **Order Number**
- **Zip code (Conditional)**

Fra/From Firma AS Adresse xxxxxXXXXXXXXXXXXxxxxxxx		Lokasjon/Location 7081234567890	
NO 3900 PORSGRUNN			
Til/To Mottaker AS Leveringsadresse Leveringsadresse NO 3700 SKIEN		Tel./Phone 39914000 Lokasjon/Location 7081234512345	
Kolle-ID/Licence plate (00)370123451234567892		Kolle:2/7 Kollivekt/Weight 28 kg	
Sendings-ID/Consignment (401)70123451234567891		25	
Transportør/Carrier Transportørens navn Transportørens navn linje 2 Leveringsanvisning nødvendig for å sikre korrekt levering Produkt (f.eks etterkrav)		Phone 24223344 ETTERKRAV	
Sendings-ID/Consignment			
			
(401)70123451234567891			
Til/To			
			
(420)3700			
Kolle-ID/Licence plate			
			
(00)370123451234567892			



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Case:

**Global distribution of clothes
directly from manufacturer to stores**

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- The Company is one of Scandinavia's biggest retailers in the area of Clothes
- The Company has 9 different chains concepts, and about 1.000 stores.
- The Company is operating in the following countries Norway, Sweden, Denmark, Finland, Iceland, Latvia, Poland and Germany. 490 stores are located in Norway.
- The Company does not own any factories. The products are manufactured in about 400 factories situated in 27 different countries in Europe and Asia.
- The Company has for many years been a heavy user of the GS1 system. All clothes are identified by GTINs, the stores by GLN, the transport units by SSCC, and the electronic communication are done by EDI and EANCOM



Ordering, manufacturing and packing of clothes in China

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Minimum GS1 Logistic Label in Norway

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From
WAREHOUSE
Seljeveien 6
NO-3940 PORSGRUNN

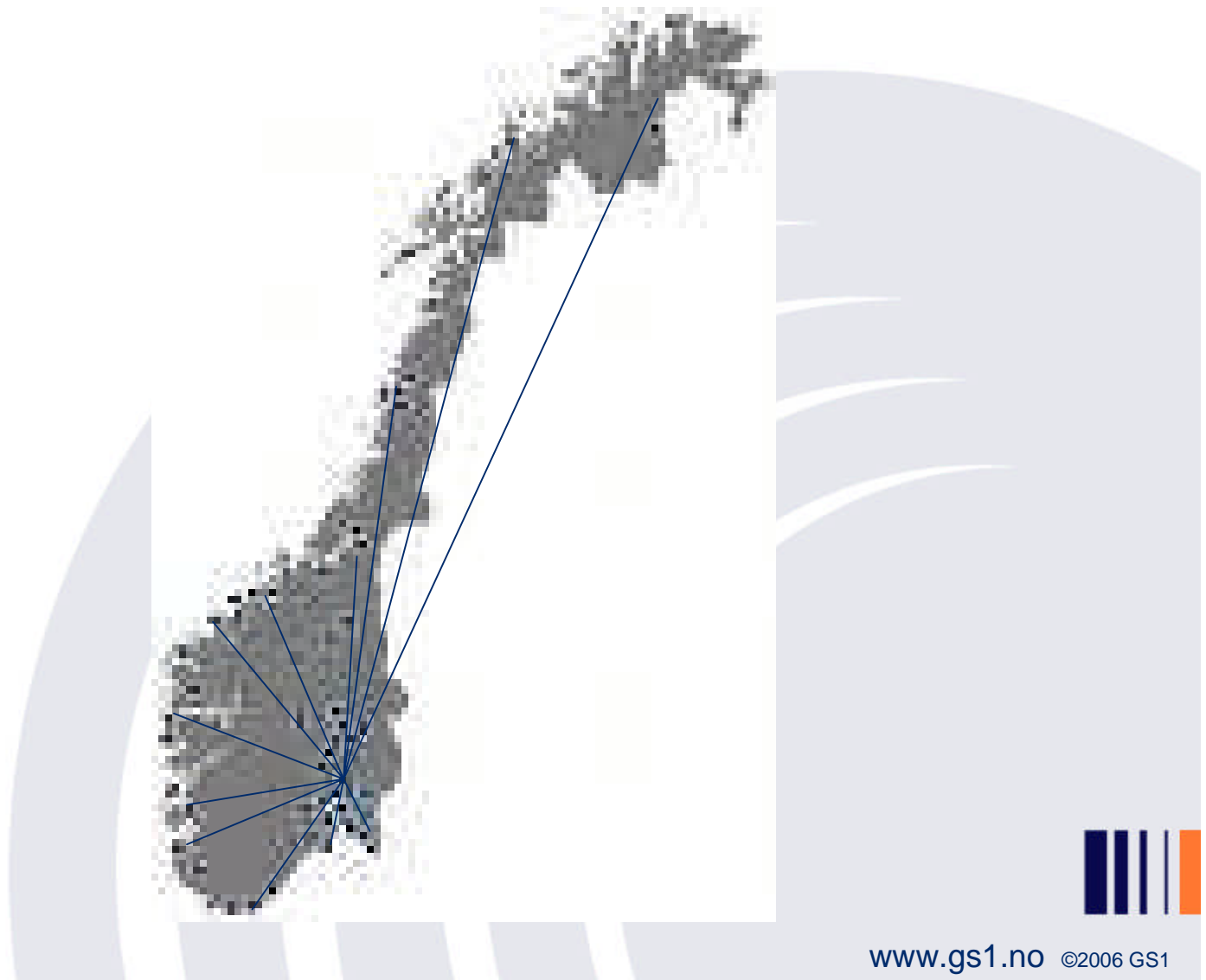
To:
Outlet
Romsdalsgaten 8
NO-0556 OSLO



(00) 370123451234567809

Distribution in Norway

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For the Company this solution implies a lot of benefits:

- The same system – SSCC-codes and GS1 Logistic Label - may be used with all transporters
- The distribution on arrival to Europe is done efficiently
- There is no need for repacking of the clothes by national central warehouses
- The clothes are distributed to the stores very quickly
- More transporters may compete for the same service without adjusting systems and routines



For the transporters the benefits are the following:

- Split and distribution of transport units may be done in the “regular” way
- No special adjustments are needed!
- New potential business is possible!



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Norway

