



# Overview of the Harmonisation of European Logistics Label

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The global language of business

[www.gs1.org](http://www.gs1.org)

- **WHAT**

- Harmonisation of European Logistic Labels

- **WHO**

- 24 MO's participating led by GS1 Poland + GS1 GO

- **WHEN**

- February 2005 – October 2006

- **WHY**

- harmonization of the data content (AIs) and formats of GS1 logistic labels depending on type of logistic unit or logistic process among European users
- increase the correct use of GS1 standards on the basis of one clear guideline

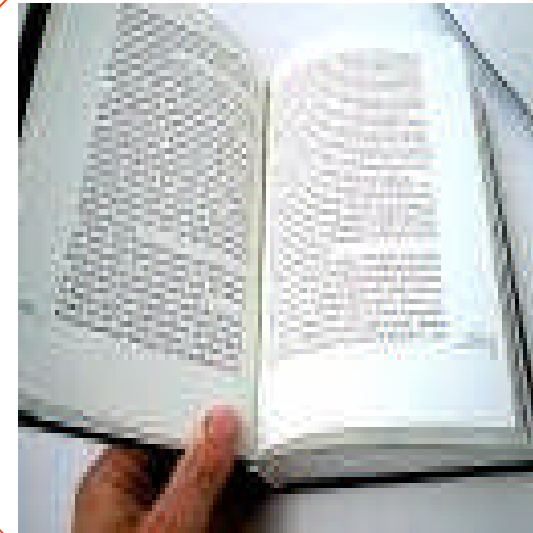
- Guidelines
- Educational software
- Migration plan
- Follow-up/continuation

What's next :

## 5. ELL vs logistics label for solution providers

# 1. Guidelines – content

- General rules for label generation
- Types of logistic labels
- Data elements on label
- Technical requirements for label generation
- Label verification
- FAQ's
- Example of logistic units
- Recommended AI's
- Glossary of terms
- GS1-128
- GS1 standard check digit calculations



# Guidelines : Definitions of pallet types

- common definitions of standard and non-standard logistic units
- one common approach towards pallet types division:

	Standard logistic unit	Non-standard logistic unit
Homogeneous content (uniform)	Ordered regularly Uniform content	Ordered incidentally Uniform content
Heterogeneous content (mix)	Ordered regularly Mixed content	Ordered incidentally Mixed content

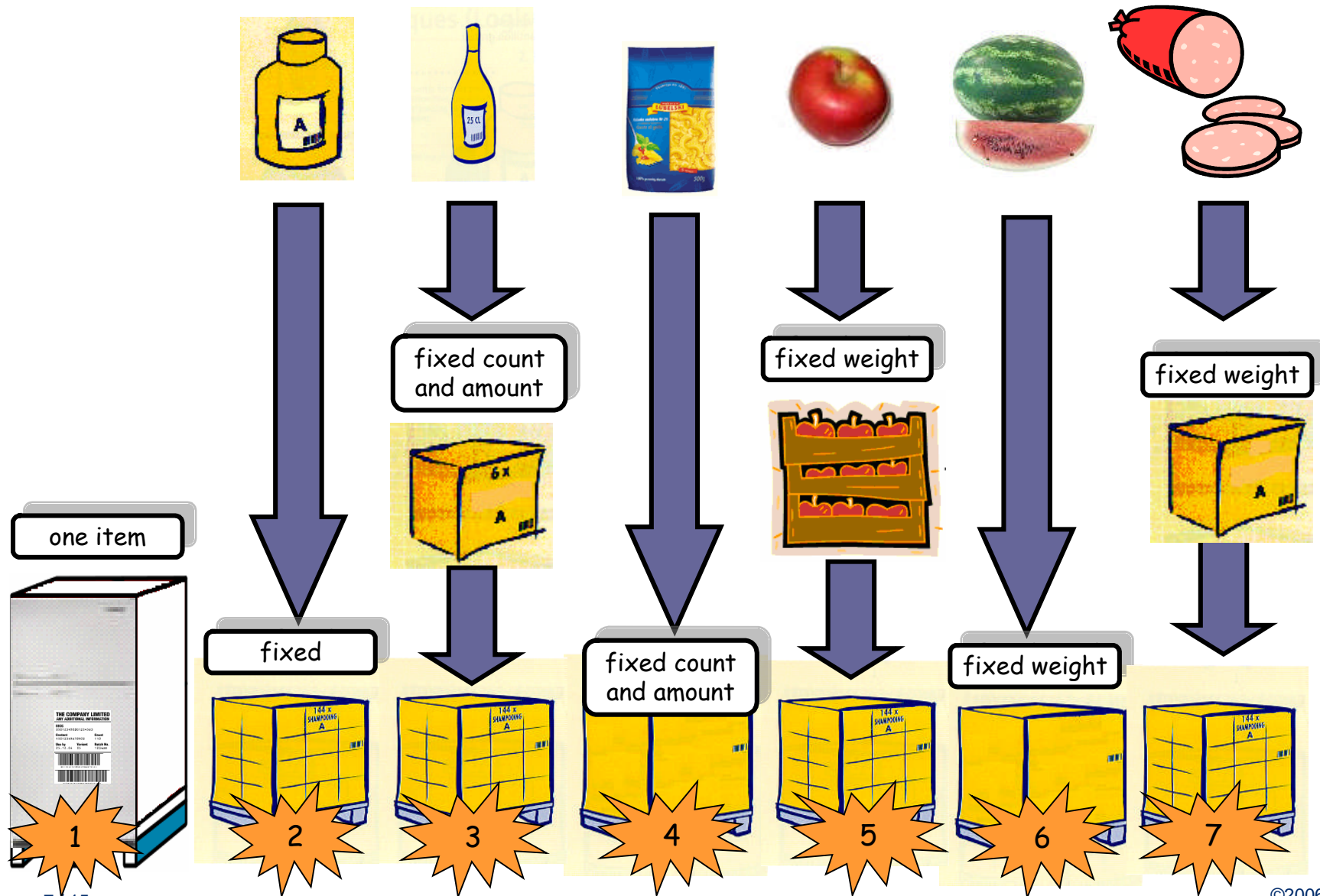
- 4 types, 7 kinds and 12 examples of logistic units
- one mandatory AI (00) – Serial Shipping Container Code



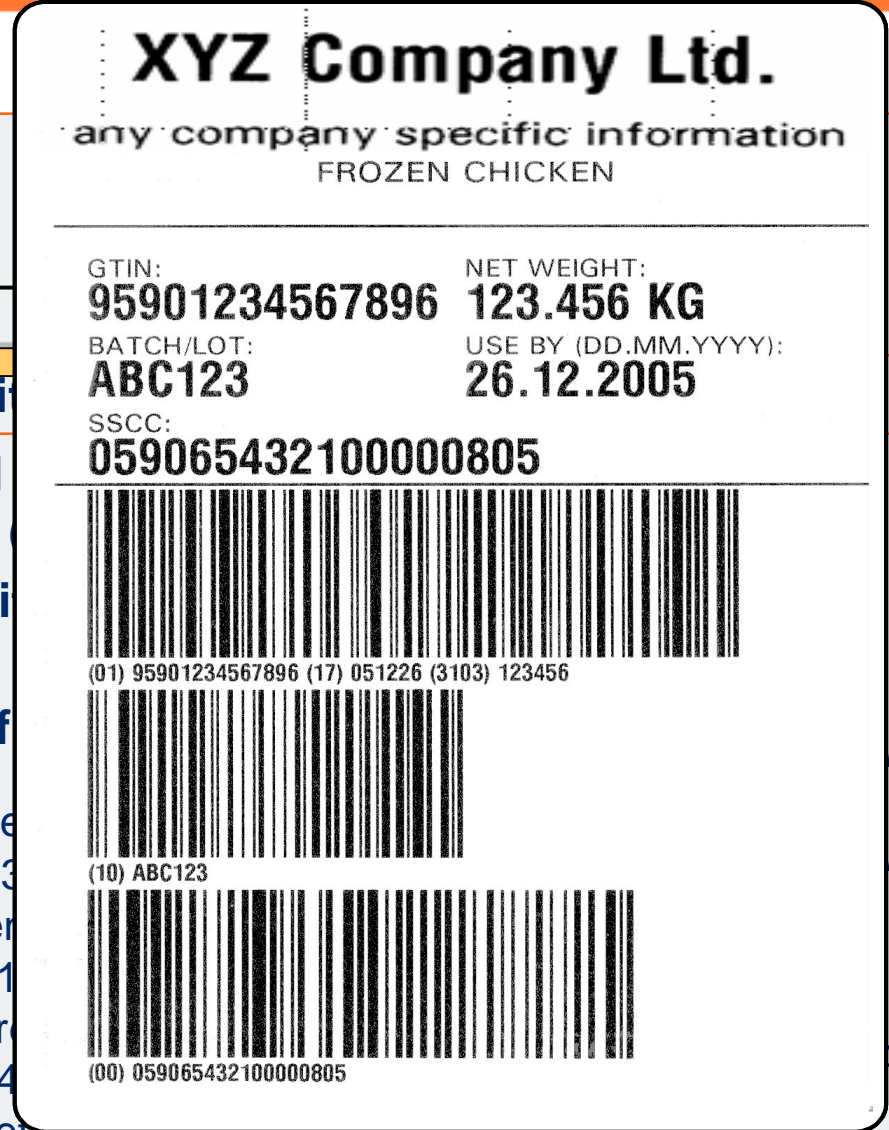
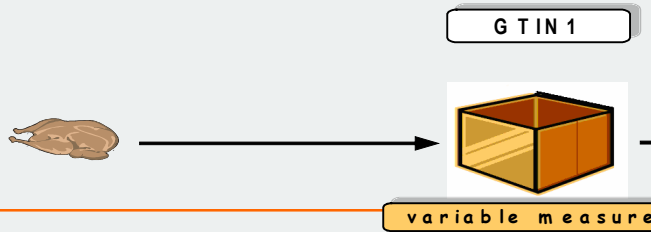
## Identification of logistic units

Type of logistic unit	<i>Mandatory</i>	<i>Recommended</i>
<b><i>Standard homogeneous</i></b>	SSCC	<p><b>Trade unit:</b> GTIN of logistic unit AI (01)</p> <p><b>Non trade unit:</b> GTIN of the content AI (02) plus n° of contained units AI (37)</p>
<b><i>Non standard homogenous</i></b>	SSCC	GTIN of the content AI (02) plus n° of contained units AI (37)
<b><i>Standard heterogeneous</i></b>	SSCC	<p><b>Trade unit:</b> GTIN of logistic unit AI (01)</p> <p><b>Non trade unit:</b></p>
<b><i>Non standard heterogeneous</i></b>	SSCC	–

# Examples of logistic units (some)



# Data elements on label



- GTIN2 with leading "9" with AI (01)\*

- one of the measures:

- net weight (kg) with AI (310n)
- length (m) with AI (311n)
- area (m<sup>2</sup>) with AI (314n)
- net volume (l) with AI (315n)

or

- GTIN1 with AI

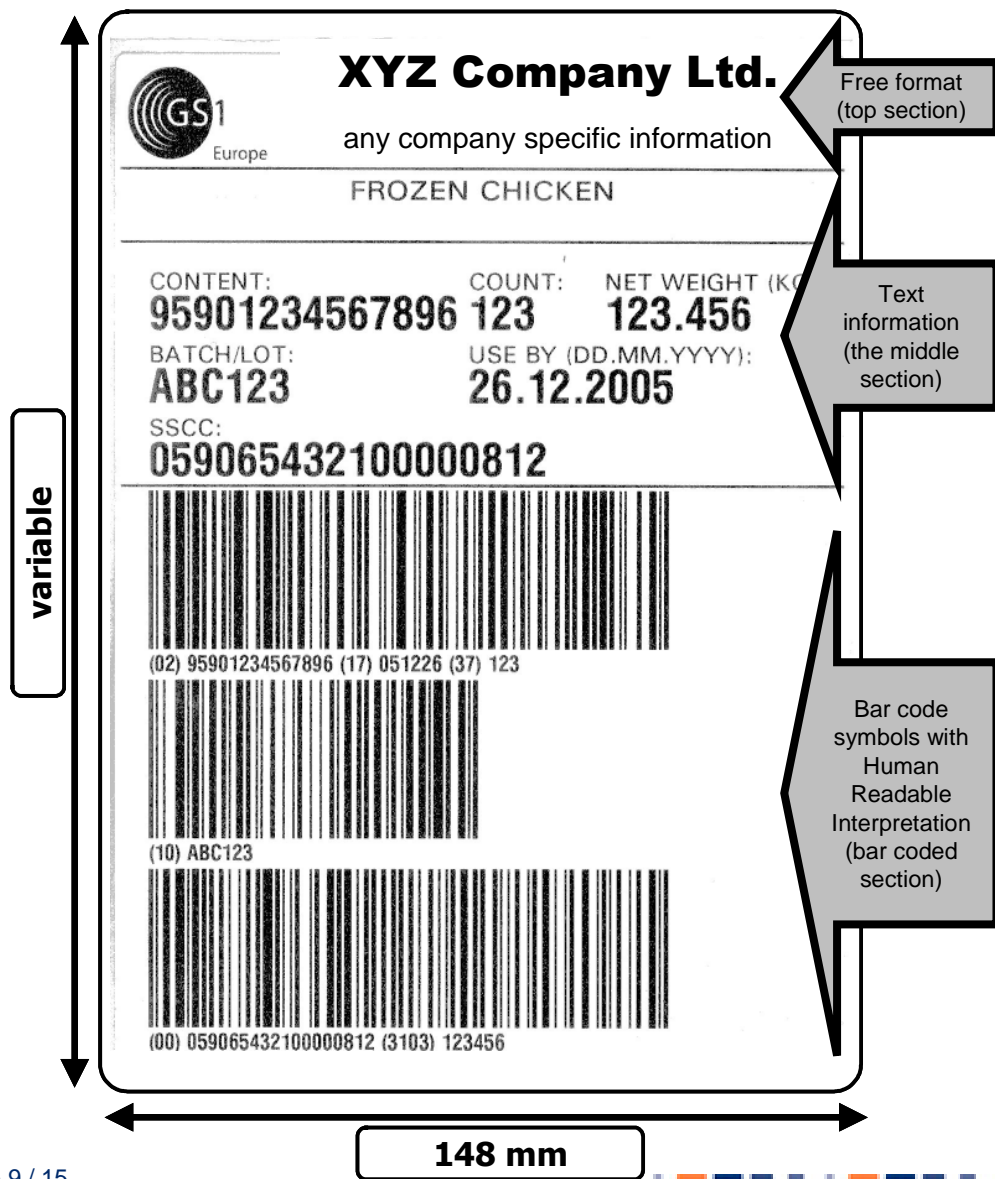
- quantity AI (37)

- one of

- net weight (kg) with AI (310n)
- length (m) with AI (311n)
- area (m<sup>2</sup>) with AI (314n)
- net volume (l) with AI (315n)



# Technical requirements: Label formats – A5 or A7



## Technical requirements: Additional information/rules for cross docking

- If additional information (e.g. routing data) is known when creating the logistics label with product information, all data can be placed on **one** label
- If additional information (e.g. routing data) is only known at a later point in the SC necessary (f.e. routing data may be needed for logistic service providers), then the additional information should be encoded on an **additional label** and placed above the existing logistic label.

The SSCC of the initial logistic label remains valid and it does not need to be repeated or replaced on the additional label.

- Rules for cross docking :
  - AI 410 “Ship for – deliver for – toward to” : refers to the final destination (e.g. the distributor)
  - AI 413 “Ship for – deliver for” : refers to the intermediate destination (e.g. distribution center)





## 3. Migration plan

- All MOs eliminate any divergences between national guidelines and European guidelines, place the new guidelines on websites of GS1 MOs.
- GS1 MOs together with GS1 Europe help will gain support from multinationals.
- European guidelines will be incorporated into ECR documentation after gaining support from ECR Europe Board. GS1 MOs will contact ECR members on a national level.
- GS1 Austria, GS1 Germany and GS1 Switzerland – update DACH documents to be compliant with the European guidelines.
- Close cooperation between MOs and ADC solution providers – ADC solution providers should offer technical solutions working in accordance with European guidelines.



## Next steps for the users

- The users should :
- get familiar with the guidelines
  - check if their labels are compliant with the standard
  - check if their traceability process requires additional data on a label
  - check if their partners demand additional data on labels
  - refer to their local MO for some help in case of any discrepancies
  - support the guidelines in local ECR organisations

## 4. Follow-up/continuation

- **Rapid Action Force – RAF:**
  - continuation of cooperation
  - network of experts
  - scope: correct barcoding and logistic labels implementation
  - guidelines update
  - communication – discussion forum and [www \(www.gs1pl.org/raf\)](http://www.gs1pl.org/raf)
- **Project continuation**
  - October 2006 – decision
  - key issues – mix / sandwich pallet labelling

## 5. ELL vs logistics label for logistic providers

- Can the ELL guideline serve for logistic providers?
- Should extra data (e.g. routing data ) be added to the guideline?
- Should GS1 generate a new guideline for logistic providers?





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