

E-COMMERCE AND LOW VALUE CONSIGNMENTS



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The Global Language of Business

Last Mile standards enabling end-to-end Supply Chain benefits Bridging between the Physical and Digital worlds

Jaco Voorspuij, Senior Manager Transport & Logistics; GS1

15th November 2018; Freight Forwarders Forum - Brussel

GS1 – the global language of business



GS1 is a global standards organisation

Neutral and
not-for-profit

User-driven
and governed

Global
and local

Open and
collaborative



1.5 million companies use GS1 standards
100 million products carry GS1 barcodes
6+ billion GS1 barcodes are scanned every day

We help Industries in over 20 sectors...



We facilitate business growth through:

Efficiency

Safety

Security

Sustainability

Interoperability

Visibility



Since
1974

FJP CARRIERS	
FROM	861 Gartenstrasse 110 3000 Bern Tel. 056 31 2 Fax 056 31 101 010 0
TO	Mr. J. Niggli Gartenstrasse 110 1021 K Kämpfe NL - Neukirchen
GS1: (00) 3 9501101 001300012 5	

Harmonised
Transport
Label



Last mile delivery



- **> 5 billion parcels per year**
- **> 25.000 online retailers in Europe**
- **> Thousands of carriers and service providers**

**are waiting
for common standards.....**



What do we need standards for?



- Be able to uniquely identify each logistic unit **end-to-end**
- Define what type of information to share
- Ensure interconnectivity to be able to share the information



These are common concerns across Transport & Logistics
Parcel and Postal
E-Commerce
Air Cargo

Parcel Standards CEN / European Commission



European standardisation



the European Committee for Standardization (CEN TC 331)

standardisation work commissioned to ease international e-retailing:

*"European postal standards should be based on, and **compatible with**, the open retail standards for **end-to-end supply chain management systems** already used by **B2C e-commerce retailers** for the **global trade in goods and services**".*




Harmonised parcel labels

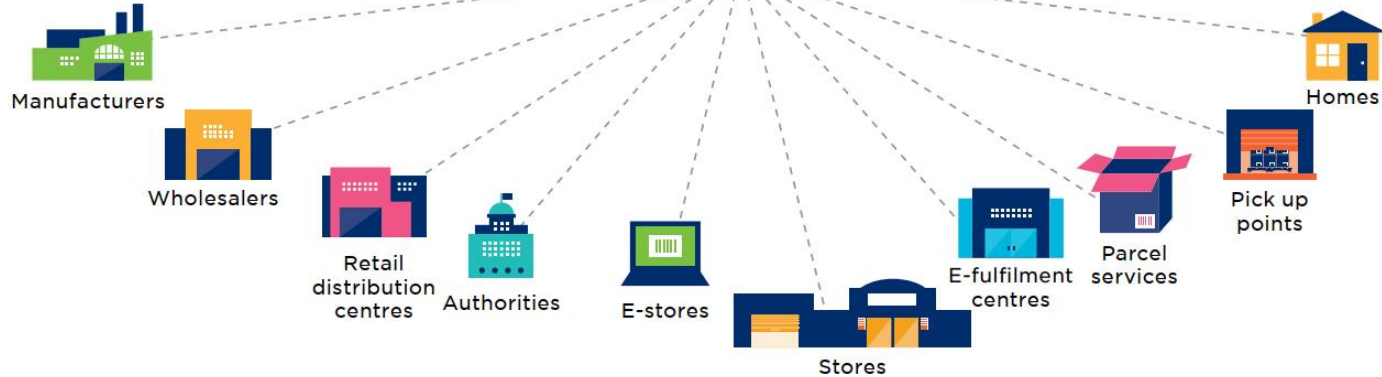
The Vision: Harmonised label Used by ALL end-to-end



Created and attached by **SHIPPER** at origin



Information on the Transport ***** *****	
FROM	Name Address City State
TO	Name Address City State
+92 222289799	
 1001 2 89222 31000000	



The European Harmonised Label

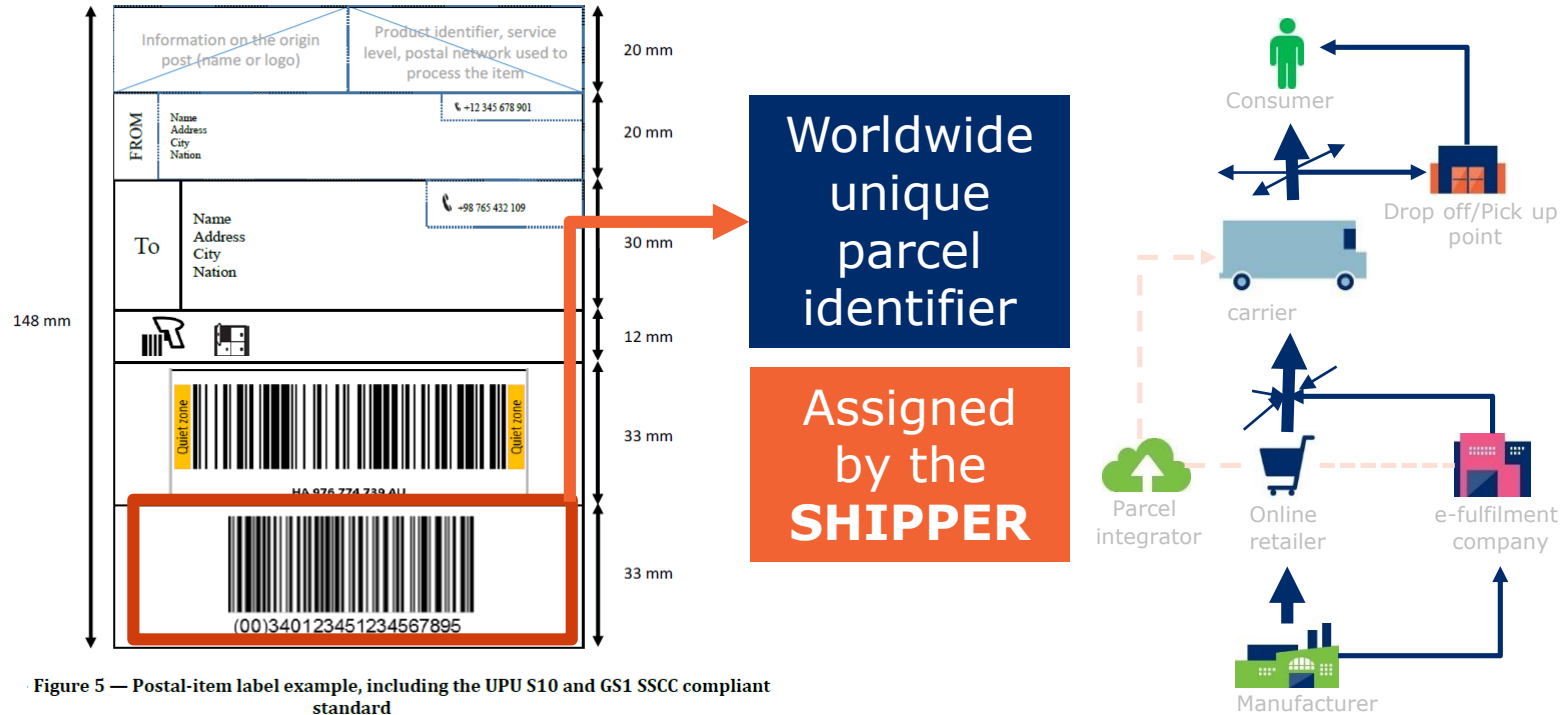
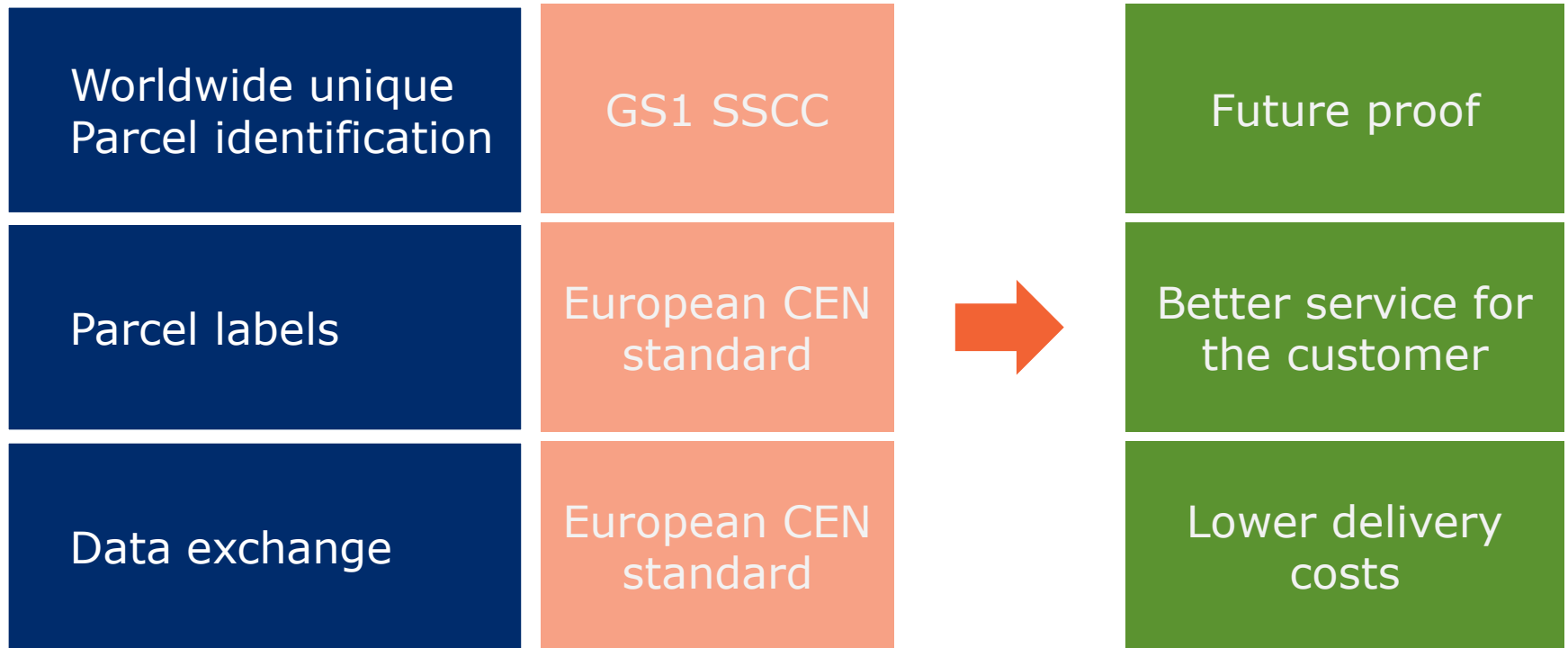


Figure 5 — Postal-item label example, including the UPU S10 and GS1 SSCC compliant standard

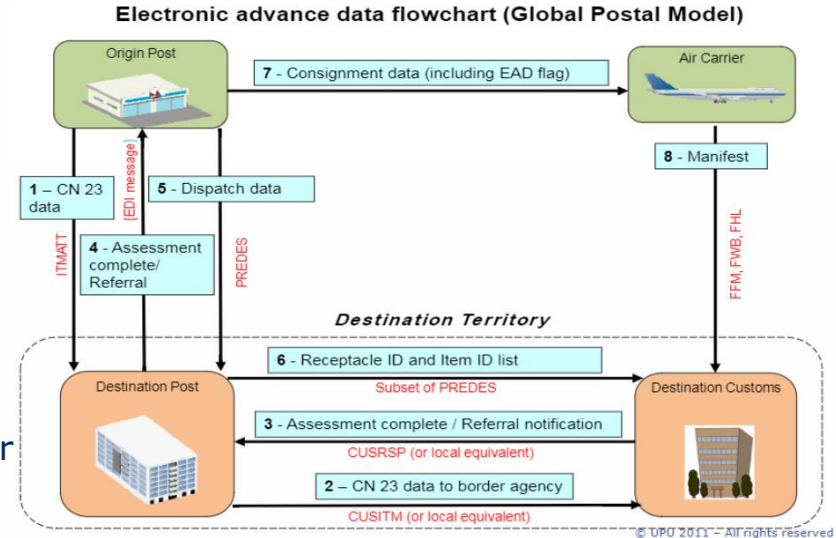
Creating worldwide interoperability



CEN Data Exchange standard - Electronic Advance Data



- **Based on proven UPU/WCO Model**
- Enhanced with Global Supply Chain Standards
- Enable use by all stakeholders (beyond Post)
- **Same approach as followed for Harmonised Parcel Label**
- Driven by Supply Chain Stakeholder Needs
- Closely linked to EU Legislation coming into effect 1st Jan 2021
- **Aim: Ensure all stakeholders end-to-end receive information they need**
- Will promote adoption of common standards for identification, labelling and Data Exchanges



Initiatives driving wider adoption of Standards



IATA Recommended Practice (RP) Piece Level Tracking



- IATA develops Recommended Practices that apply to the Air Industry.
- Main characteristics for Recommended Practice
 - **Full end-to-end view of process from Shipper to Receiver across modes**
 - **Pieces must be identified unambiguously.**
 - UPID (Unique Piece Identification) **MUST** be compliant with ISO 15459-1.
 - UPID should be assigned as early as possible in the process;
Ideally Shipper will assign UPID.
 - All handlers of the piece should then use the UPID
 - **Allows** use of Shipper-UPID only label e.g. **Harmonised Transport Label**
- Means full support use of SSCC (if chosen by shipper)
- [RP 1689 approved March 2018](#)
- Publication of ratified RP as part of CSC Manual October 2018
- Implementation Guidelines being developed now



EU VAT Legislation impacting on end-to-end T&L



- LVC = Low Value Consignments
- LVC Items imported into EU enjoy simplified border procedures; Regulations often abused (billions of Tax revenue lost)
- 2021: EU implements VAT package requiring ALL items to be declared and taxes to be paid
- Impacts also all e-Commerce items
=> **many billions of additional declarations to Authorities**
- Border Authorities may need support to cope with this flood
- EU commission LVC working group aims to prevent incidents in 2021
- **Aim: receive Electronic Advance Data; leverage existing standards / solutions e.g. UPU and IATA approaches**

A FIATA platform for the future



DIGITALISATION

A digitalized document
Using the same information
as in the paper

**Harmonized semantics
and syntax**

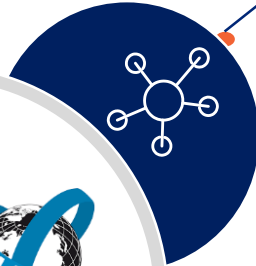


INTEROPERABILITY

**Interconnection between local and
regional databases and IT systems
of the actors**

Efficiency through automatic
integration of the DATA in IT Systems

Compatible with blockchain



SECURISATION

A secured platform
Access given to
authorized actors with
controlled protocols



With the
support of



INTERNATIONALISATION

International standards

Harmonized & structured data

Global synergy between FIATA and
GS1 given by the same global
presence



Conclusions



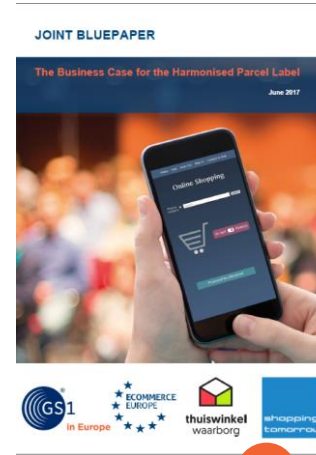
- Common Supply Chain Standards will greatly improve efficiency and effectiveness of Hub operations (City or other Hubs)
- There is an increasing business need for tracking and managing individual Pieces (transport units) everywhere in the Supply Chain
- Common SC Standards are being incorporated in the day-to-day operational procedures in many different areas across Supply Chains

The time to act is NOW
Adopt / Promote common SC standards
to digitalise Supply Chain operations

More Info on Parcel On-Line



Value Propositions
Business case
Guideline

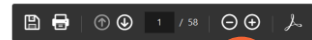


The Global Language of Business

GS1 Logistics Label Guideline

Provides an overview of the normative rules and best practice recommendations based on GS1 Logistics Label implementations around the world.

Release 1.2, Working Draft, Sep 2017



1

2

3

Webpage GS1.org

<https://www.gs1.org/transport-and-logistics/parcel>



Questions & Discussions

