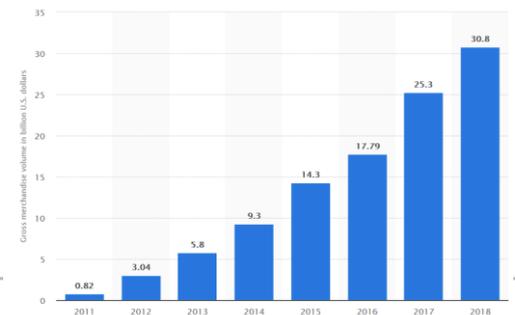




# E-commerce - facts and trends

- In 2018, retail e-commerce sales worldwide amounted to **2.86** trillion USD (25% growth comparing to 2017).
- W 2021 e-commerce sales worldwide will be **4,9** trillion USD (15 % of total sales)
- In 2021, over **2.14** billion people worldwide are expected to buy goods and services online
- Asia (mainly Chinese) is the fastest growing market (around 28% annually)
- On November 11, 2018, also known as **Singles' Day**, consumer spending on Alibaba's e-commerce platforms amounted to **30.8 billion USD = 1 billion orders = 1 billion parcels in one day**



# How to deal with parcel delivery?

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# Last mile delivery - challenges

cross-border  
parcels  
distribution

parcel return  
services

same day  
delivery

parcel  
visibility



... but there is still  
a base problem with

- **identification**  
and
- **communication**  
in e-commerce  
supply chain

# Current situation

**CMR PRZESYLKA KRAJOWA** **DHL**  
 General Management Po  
 3.1.9.977

Nadawca (Przelew) 2389612 DHL EXPRESS (POLAND) SP. Z O.O. Warszawa  
 Odbiorca ANDRZEJ KAWA OSIEDLE JANA 3 SOBIESKIEGO 30/17 60688 POZNAN

**WA WA-PO PO 411VR**  
 POZNAN EX1 Dzień Godz.

FedEx Express Polska Sp. z o.o. Tel: +48 601 002 800

Numer przesyłki: 6111372037731

Nadawca: CENTRUM ZAOPATRZENIA REGIONALNEGO DECATLON I ALEJA OFIAR TERRORYZMU 11 14

Adres odbiorcy: ARKADIUSZ KAWA OS. JANA III SOBIESKIEGO 30/17 60688 Poznań Tel: 607466880

Numer przesyłki: POL590625

Opis: UWAGA: PRZESYLKA ZA POBRACIEM DELIVERZE JEJ WARTOŚĆ I PŁATNOŚĆ

Typ pakietu: 1 z 1  
 Data nadania: 2018-01-08 02:38  
 Numer pakietu: KK

Your personal ID: 02-274, 15 Min

Theresa I

10 Dow

GB-SW1A

Reference 1:

Reference 2:



**0 DE 350**  
 Your GLS Track ID  
**ZZ7E5CV9 S**

982702454772

2012 09:33 0.10 kg 001/001 RTG 30122011 S2.00.0

**GLS**

51700548455 5

26.04.2018 5 Kg 60688

**54 5402**

13489600218377  
 Track  
**GB-15**  
 NCSH 101-G  
 8-01-2018 13:12



SW1A2AA 13489600218377 101 826 Q

BILLING: P/P TPS 0W626X PL  
 DESC: towar

**EDI**

XOL 18.01.36 NV45 97.0A 01.02018

Sklep Internetowy Selgros24.pl  
 Wrocławska 4c  
 PL 55095 Długoleka  
 Tel:

# Standard logistic label



## Reasons:

- **Variety of different labels used by courier operators**
- **Lack of effective Track&Trace system for cross-border parcels**
- **Lack of interoperability between operators**

**New reality after 2021:  
EU implements VAT package  
requiring ALL items to be  
declared and taxes to be paid**

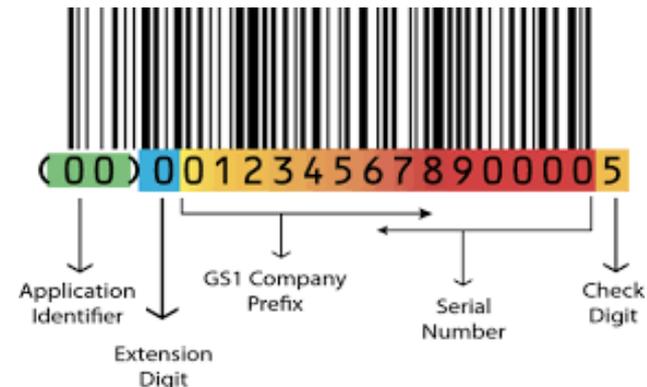
**NEEDS**

- Combining the content with parcel ID**
- Developing one global interconnected platform**

# CEN Recommendation

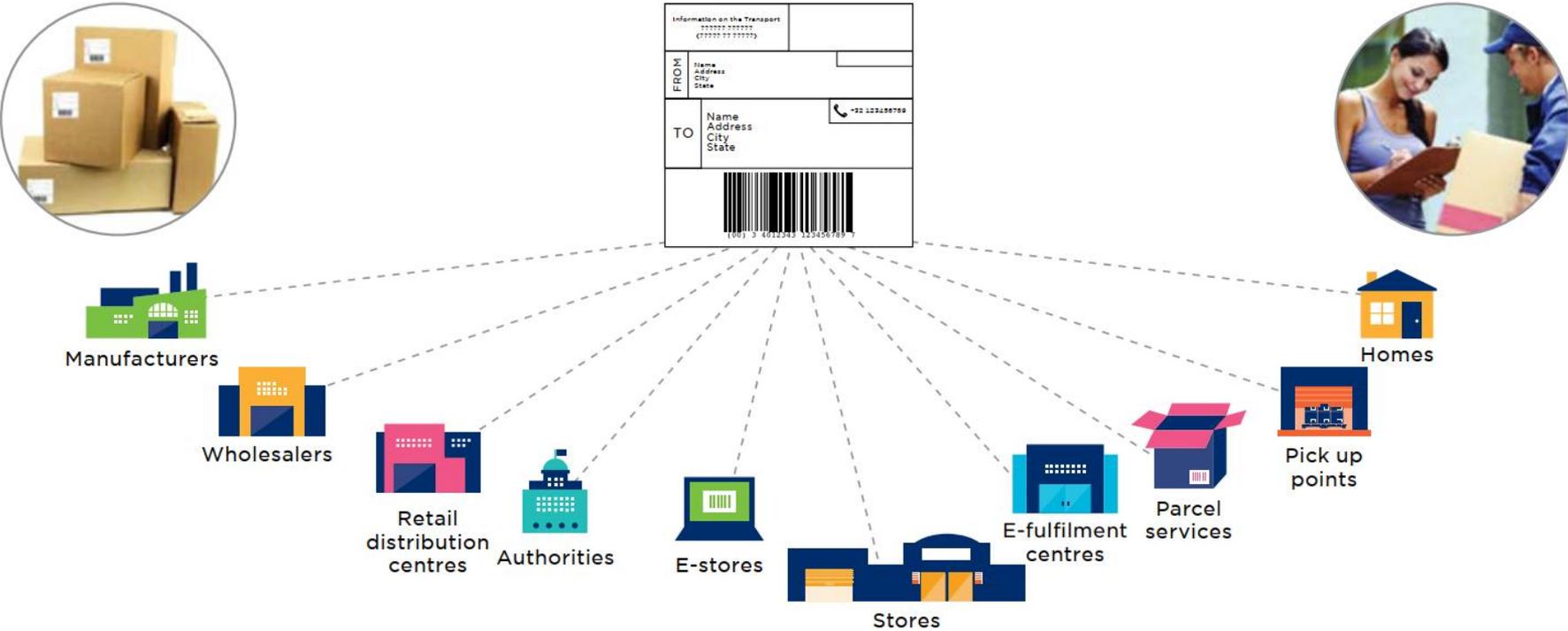
In 2017 **CEN** designated the GS1 Serial Shipping Container Code (**SSCC**) to uniquely identify parcels and enable interoperability between all parties in the parcel delivery network.

The standard is aimed at managing cross border shipments via a simplified interface, to improve interoperability between different logistics operators in the delivery chains.



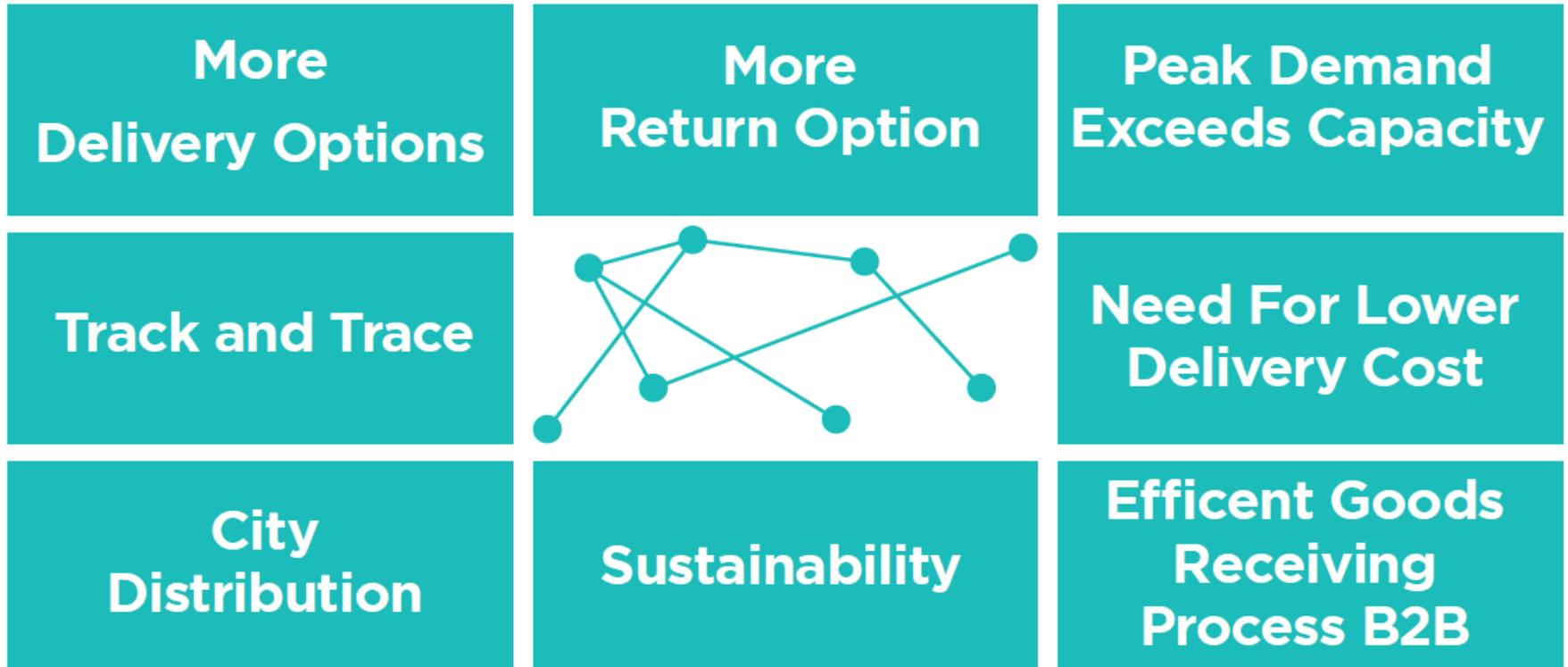
# The Vision: Harmonised label Used by ALL end-to-end

Created by SHIPPER, used by ALL



# Business needs for connectivity in last mile delivery

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# Physical Internet SUPPLY CHAIN

**Traditional SUPPLY CHAIN** – one service provider covers all operations



**PI SUPPLY CHAIN** - a shared network – shared infrastructure & transport

- ✓ Parcels will travel independently even when they belong to the same customer order
- ✓ The routing of the parcels through the network will be done dynamically at each node in the network
- ✓ As the parcel travels through the network, the nodes will make routing decisions based on business rules, including time, cost, utilisation and reliability, and up-to-the-minute information about the network



Thank you!

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[Last.Mile@gs1.org](mailto>Last.Mile@gs1.org)