

The EU and Global Regulatory, DPP Industry & Standardisation Landscape

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EU Regulatory Landscape

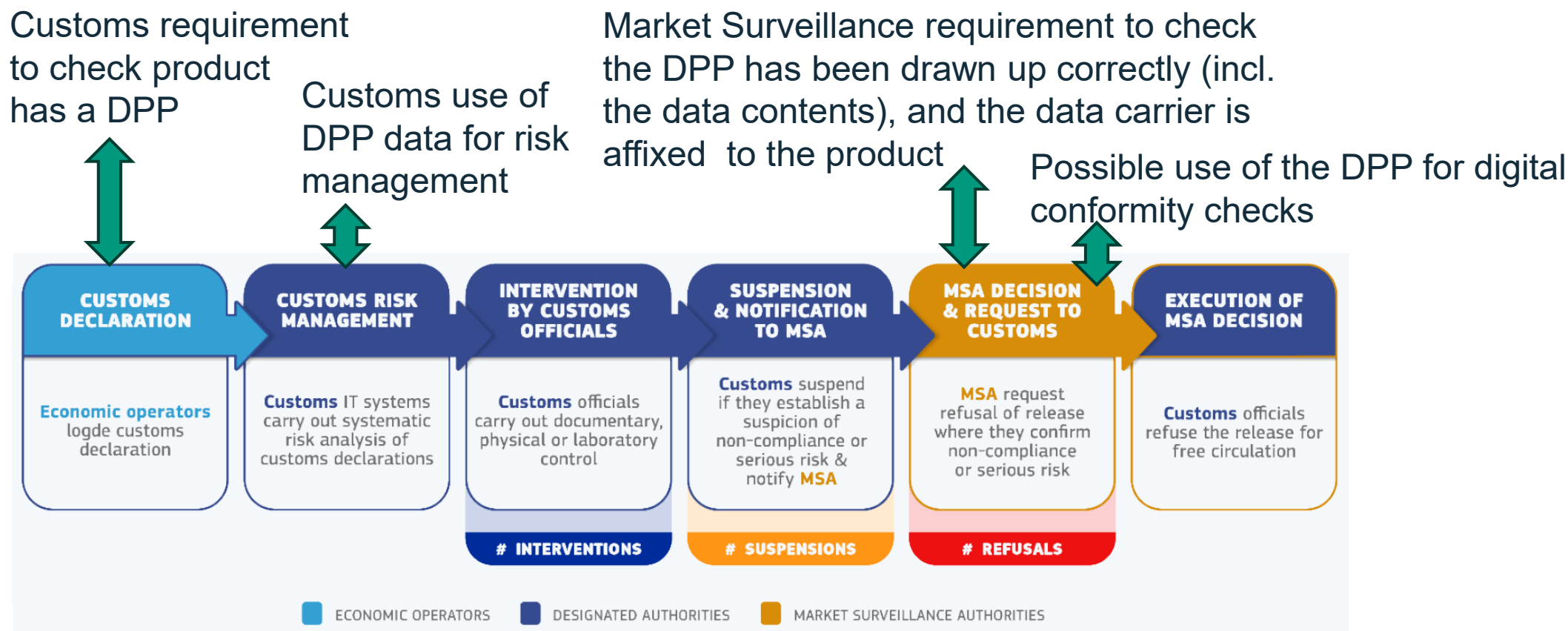
EU DPP Data - Regulatory Overview



EU Regulation	Status	Product Covered	Implementing & Delegated Acts & Standards	Product Information Coverage Categories
Ecodesign for Sustainable Products Regulation (EU/2024/1781)	In force	6 products + possible extension to 16 products in 1 st work programme	Delegated act for DPP incl. performance & product information, data carrier placement on product	Circularity information Energy labelling information Environmental information
Construction Products Regulation (EU/2024/3110)	In force	36 construction product families	Delegated act for Construction DPP. Standards request per product family for performance & product information. Standard for Digital Declaration of Performance & Conformity (DoPC)	Product Performance Information Digital Declaration of Performance & Conformity (DoPC) Life Cycle Assessment
Batteries Regulation (EU/2023/1542)	In force	Large batteries	Possible delegated act for amending DPP information. Delegated act for 1) carbon footprint declaration, 2) performance and durability requirements, 3) state of health and expected lifetime, 4) calculation of recycling efficiency and recovery of materials, 5) Possible delegated act for alternative smart labels instead of QR code, 5) amending list of raw materials and risk categories for due diligence policies.	Circularity Information Battery Health Status
Toy Safety Regulation (2023/0290(COD))	In 2 nd EU Trilogue Adoption 2026	Toys	Delegated act for i) Digital Product Passport, ii) amending permission of substances or mixtures, iii) amending commodity code list adjustment & product codes. Implementing acts for amending safety requirements	Compliance information for market surveillance & customs
Detergent & Surfactant Regulation (2023/0124(COD))	In 1st EU Trilogue Adoption 2026	Detergents, surfactants	Implementing act for Digital Product Passport Possible delegated act linked to ESPR (EU/2024/1781). Delegated acts for amending digital labelling requirements, testing requirements,	Compliance information for market surveillance & customs
Circularity for vehicle design and end-of-life vehicles (2023/0284(COD))	Preparation for 1 st trilogue, Adoption 2027	Vehicles	Delegated acts for 1) verification of recycled content in vehicles, 2) substances of concern impeding reuse/recycling	Circularity information Component information
EU Product Act	Planned for Q3 2026	85% of products placed on the EU market	Not yet available	Compliance information for market surveillance

Product Market Compliance utilisation of DPPs

Measures outlined in the Toy Safety Regulation ([2023/0290\(COD\)](#))



Picture from DG TAXUD presentation to EU Parliament 16 October

Product Market Compliance utilisation of DPPs



Made possible by the shift to an **Electronic Declaration of Conformity**

“The digital product passport should replace the EU declaration of conformity pursuant to Directive 2009/48/EC and include the elements necessary to assess the conformity of the toy with the applicable requirements and harmonised standards or other specifications” (Toy safety regulation [2023/0290\(COD\)](#))

[EU COM/2025/0134](#)

Proposal for amending the EU ESPR (EU/2024/1781), EU Batteries Regulation (EU/2023/1542) and the market surveillance regulation (EU/765/2008), + 4 more product regulations

This proposal includes:

- **Specifying that the EU declaration of conformity**, or a similar document, **must be drawn up in electronic form** and made accessible through an internet address or machine-readable code when that declaration needs to accompany a product;
- **An obligation to provide the information contained in the EU declaration of conformity and instructions on the digital product passport** when the product is subject to other Union legislation that requires the use of such a digital product passport

1) DPP Registry & CSW-CERTEX for Customs

“Customs authorities may release a toy for free circulation only after having verified, as a minimum, that the unique registration identifier and the commodity code provided or made available to them correspond to the data stored in the registry. The release for free circulation shall not be deemed to be proof of compliance with this Regulation or other Union law.

The verification referred to in paragraph 3 of this Article **shall take place electronically and automatically** via the **interconnection** between the [DPP] **registry and EU CSW-CERTEX referred to in Article 15(3) of Regulation (EU) 2024/1781**. That verification shall take place as from the moment that interconnection is operational or from the date of application of this Regulation, whichever is later. “

2) CSW-CERTEX is linked to the Information And Communication System for Market Surveillance (ICSMS) as of 2025 ([EU/2022/2399](#))

3) DPP & EU Safety Gate (reference)

“The manufacturer or the digital product passport service provider shall ensure that a link to the section of the Safety Gate Portal referred to in Article 34(3) of Regulation (EU) 2023/988 for the transmission of information about toys that might present a risk to the health and safety of consumers is displayed when accessing the digital product passport.”

Toy Safety Regulation ([2023/0290\(COD\)](#))

Why?

A SIMPLER SINGLE MARKET to make companies choose Europe



KEY ACTIONS TO DISMANTLE THE TERRIBLE 10 BARRIERS

As global trade faces new obstacles, Europe must remove the remaining barriers within the Single Market. These barriers disrupt the smooth flow of goods and services, restricting cross-border trade and investments. Tackling the 10 most harmful barriers will make it easier and simpler to do business across the Single Market - Europe's greatest asset.



Complicated business establishment and operations

- Establish a new 28th regime for EU company law
- Revise the Commission Recommendation on business transfers



Overly complex EU rules

- Reduce unnecessary administrative burdens identified in Omnibus proposals
- Simplify and streamline the EU Public Procurement framework



Long delays in standard-setting

- Review the Standardisation Regulation
- Allow the Commission to establish common specifications when needed



Lack of ownership by Member States

- A high-level Single Market representative ("Sherpa") to promote application of rules in every EU country
- Organise high-level political meetings of the Single Market Enforcement Task Force (SMET)
- Reinforce preventive mechanisms on EU level



Limited recognition of professional qualifications

- Make recognition faster and more efficient using digital tools and automatic procedures
- Explore common rules for the recognition of qualifications of third country nationals



Fragmented rules on packaging, labelling and waste

- Implement the Digital Product Passport for digital labels and product compliance
- Harmonise and simplify extended producer responsibility schemes for end-of-life products



Outdated product rules and lack of product compliance

- Better coordinate EU and national customs and market surveillance authorities and potentially establishing an EU market surveillance authority
- Create a legal framework for refurbished and repaired products
- Strengthen requirements for notified conformity assessment bodies



Restrictive and diverging national services regulation

- Facilitate temporary provision of cross-border services, possibly including harmonisation of service authorisations and certification schemes
- Address challenges in specific services sectors such as construction, retail, delivery as well as business and industry services



Burdensome procedures for temporary posting of workers

- Support adoption of the e-declaration for posted workers and social security coordination
- Facilitate temporary cross-border provision of posted workers
- Pilot and deploy the European Social Security Pass (ESSPASS)



Territorial supply constraints (TSCs)

- Develop tools against unjustified Territorial Supply Constraints beyond situations prohibited by competition law

Today's Single Market

26 million companies
2nd largest global economy

€18 trillion GDP

450 million consumers
18% of the global economy

Benefits of the Single Market to date

Increases EU GDP by at least **3-4%** | **3.6 million** jobs created

Challenges facing the Single Market

Low productivity growth at around **1%** | EU's **stagnating global competitiveness**

Potential of completing Single Market

Completing the Single Market could **double its benefits**

Key role of the services sector:

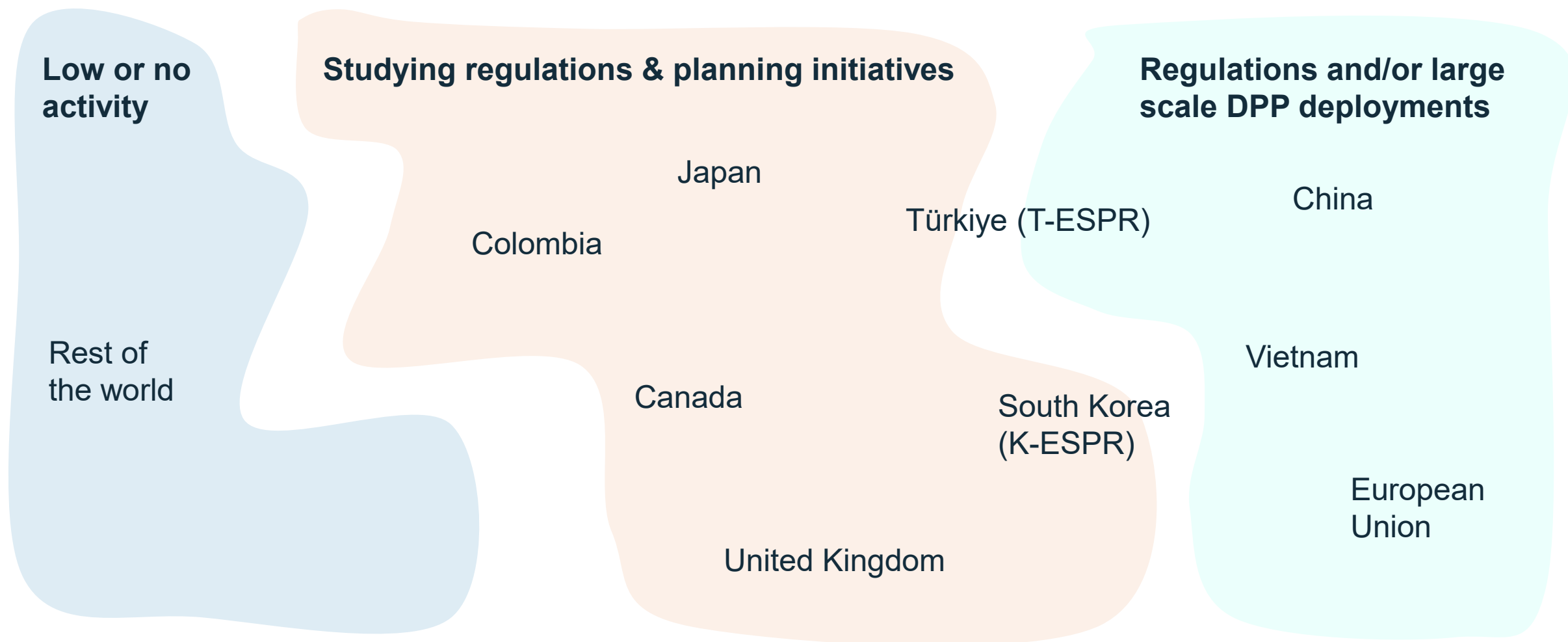
75% of EU GDP
Intra-EU service trade **no higher** than services trade with outside EU

40% of the value added of EU products
60% of barriers still same as 20 years ago

<https://ec.europa.eu/commission/presscorner/api/files/attachment/881209/Factsheet%20-%20Single%20Market%20Strategy.pdf>

Global regulatory news

Country DPP deployment intensity mapping



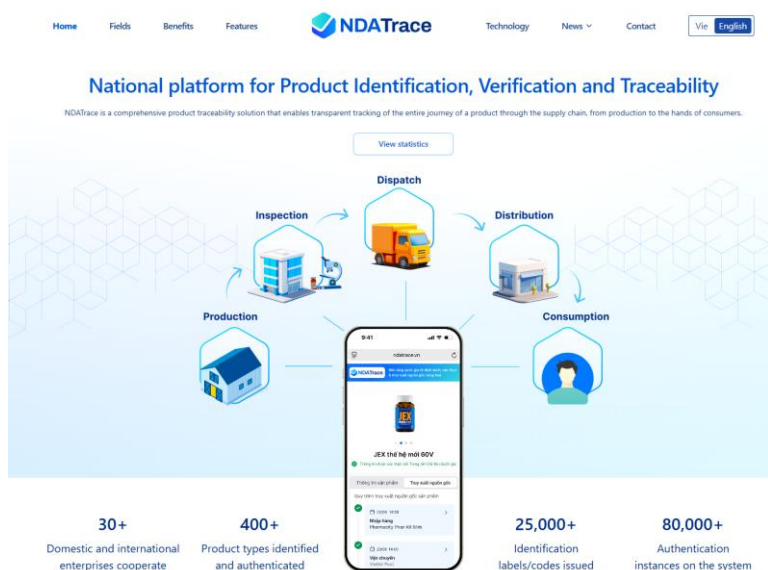
Centralised DPP system initiative in Vietnam

June 2025 in the Luật sửa đổi, bổ sung một số điều của Luật Chất lượng sản phẩm, hàng hóa (Law amending and supplementing a number of articles of the Law on Product and Goods Quality).



Roll-out the **cross-border product identity & traceability** portal – NDA TRACE for full utilisation in 2026

<https://www.ndatrace.vn/en>



Mandatory Traceability for High-Risk goods for product safety + anti-counterfeit utilising Digital Product Passports

Require 1-2-3 category customs risk classification of goods

Make traceability with DPPs mandatory for high risk classified goods (category 3)

Starting in 2025 – Traceability is mandatory for 8 product groups, beer, wine, soft drinks, processed milk, vegetable oils, starch and flour products, confectionary and food packaging

Integrate existing traceability standards with product identity + data carrier into a Digital Product Passport system

32 National Traceability standards under TVCN system

- **TCVN 13275:2020** – Data carrier format for traceability
- **TCVN 13274:2020** – Code format for traceability
- **TCVN 12850:2019** – Requirements for traceability systems
- **TCVN 13805:2023** – Dairy supply chain and dairy products
- **TCVN 13988:2024** – Wine supply chain
- **TCVN 13990:2024** – Cold chain logistics for food

Vietnam NDAChain + NDATrace Architecture



<https://ndachain.vn/en>

<https://www.ndatrace.vn/en>

NDA DID National Decentralized Identity System

NDA DID is the National Decentralized Identity system built on NDAChain, enabling citizens, enterprises, and institutions to verify digital identities in a secure, private, and transparent manner.



Citizen DID Wallet

Empower citizens to manage their digital identity and take full control of personal data.



Product Traceability and Verification

Organizations and enterprises can easily create product DIDs and verify VCs across supply chain operations.



Cross-Platform Integration

Seamlessly integrates with VNeID, banking systems, public services, and e-commerce platforms to ensure real identity verification across all digital transactions.



Smart Contracts

Process and secure all digital identity-related activities directly on the blockchain.



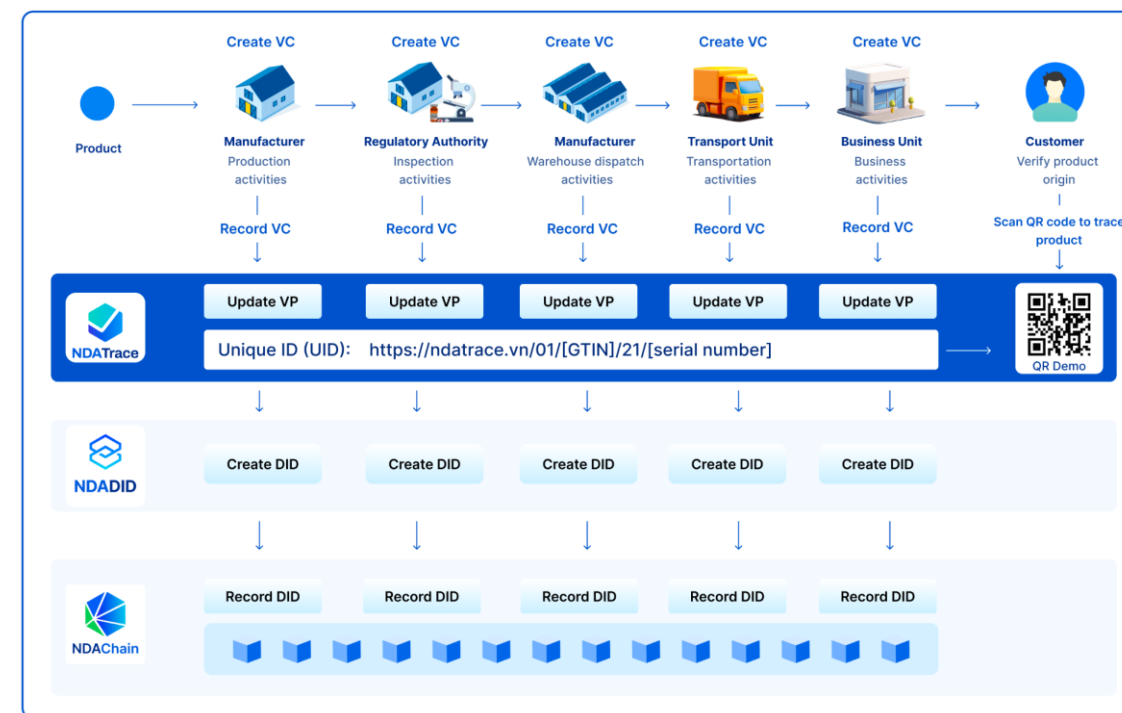
Digital Copyright

Authenticate digital content ownership using NFTs.

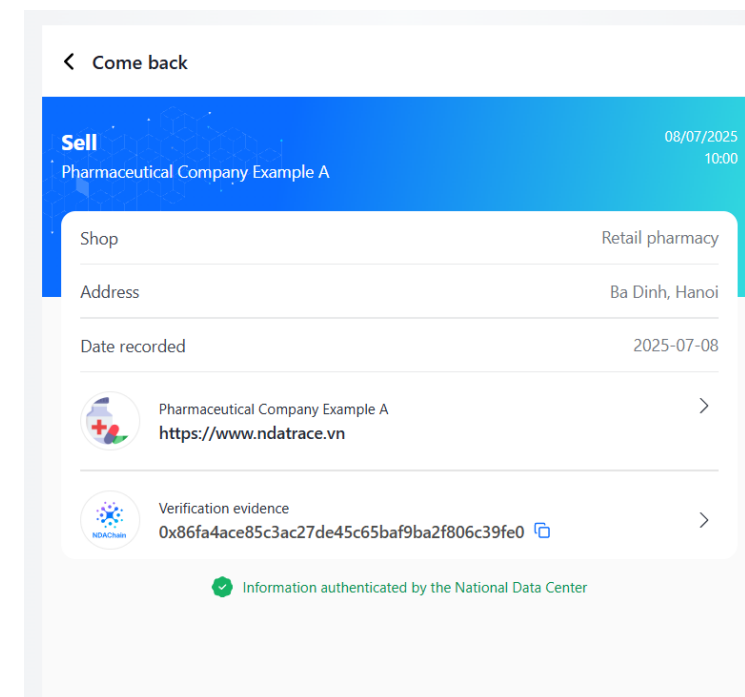
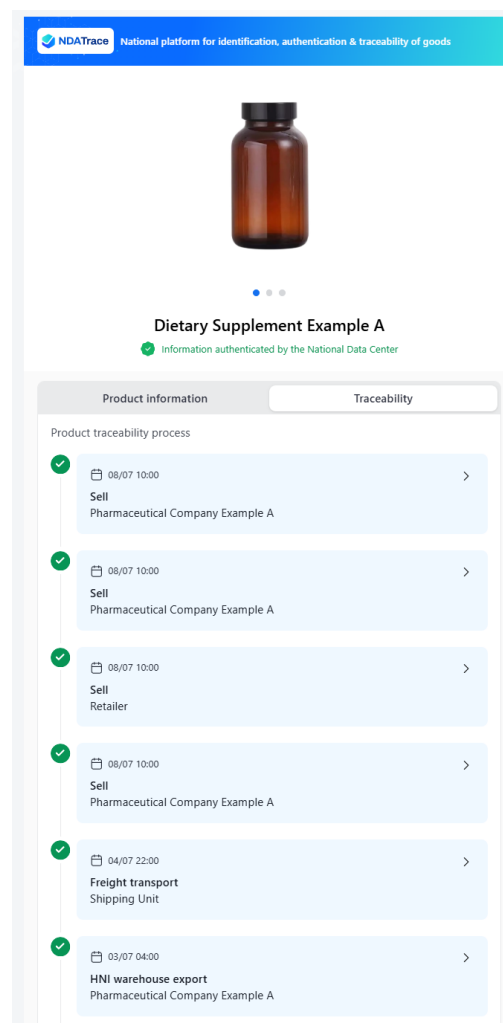
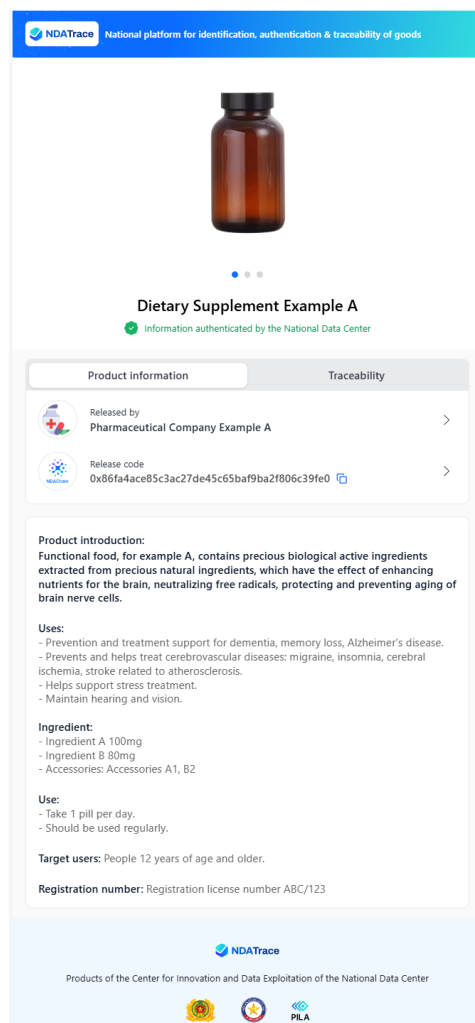


Identity Verification

Verify identity with biometrics, NFC, QR codes, and ZKPs while protecting user privacy.



NDATrace Digital Product Passport sample



China: Digital Product Passports for supply chain management & EU export readiness



- China Ministry of Industry and Information Technology focuses on technology assessment & DPP promotion
- China state administration for Market Regulation is compiling implementation guidelines
- Three sector Digital Product Passport initiatives (battery + steel + textile) and five regional initiatives
- The approach is several systems, one integrated technology backbone.

China's Digital Product Passport systems will be integrated digitally in **the China Industrial Internet Architecture** (6 national nodes, 300 regional nodes, 490,000 enterprise nodes) that is also used for China's carbon dual control.

CAICT Bi-annual DPP technology / policy development report



Industry & standards driven DPP initiatives in China

Build a **DPP standards system with Chinese characteristics** and international compatibility

National DPP Standards Committee setup – 7 horizontal standards

Eight association level standards for textiles under development

Three association level standards for batteries under development

Ensure **export-oriented industry readiness by 2027** to enable green trade to European Union

National China + Industry strategies developed

DPP industry platform for textiles launched

DPP industry platforms for batteries launched

DPP industry platform for steel launched

Customs DPP utilisation project launched

Promote the **utilisation of DPPs** into the global economic landscape

Co-leading global DPP standards committee ISO/PWI 25534-1

Co-leading global DPP standards IEEE P3828

Co-leading global standard IEC 63538 Lifecycle event model and services



Sector level developments (steel + textile + batteries)

1. Sector Strategy White Papers



2. Sector DPP Standards (association level)

Examples:

CNTAC has launched a call for three Chinese Textile DPP standards in August 2024 and initiated the standards drafting in December 2024 for completion by end 2025

"Textile Product Digital Passport Part 1: General Principles" (Plan No.: 202406-CNTAC01)

"Textile Product Digital Passport Part 2: Definition of Terms" (Plan No.: 202406-CNTAC02)

"Textile Product Digital Passport Part 3: Labeling Technical Specifications" (Plan No.: 202406-CNTAC03)

3. Sector DPP Architecture & DPP Platform



<http://www.batteryid.com.cn/> - battery
<https://ma-dpp.com/home> - steel
<https://sdghub.cn/> - textile

Thank you!

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