

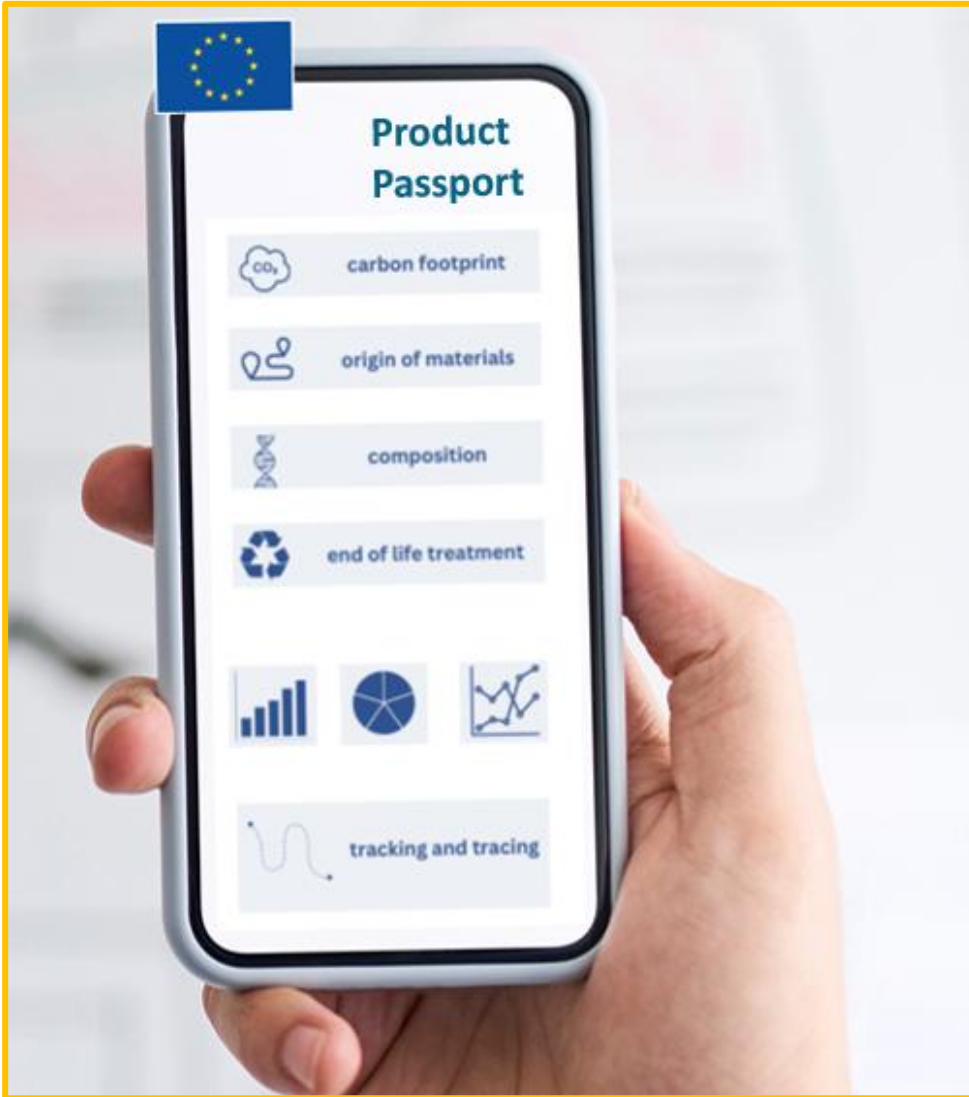


Digital Product Passport (DPP)

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Agenda

1. Digital Product Passport (DPP) - Introduction
2. DPP legal framework
3. DPP technical framework
4. The way forward



How the DPP works



DPP is accessible via a **data carrier** and supported by **technical systems** (web-portal; registry).

DPP data is **product-group specific** (toys, textiles, detergents etc.) and defined through **secondary legislation** processes.



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Digital Product Passport Legal Framework

Legal framework and main aspects



Legal basis

The DPP's original legal basis can be found in the **Ecodesign for Sustainable Products Regulation (ESPR)**.

+ *Product specific delegated acts (textiles, steel and aluminium, tyres, furniture, ICT, energy related products)*

Standalone legislation also refer to the DPP:

Battery Regulation

Toy Safety Regulation

Detergent Regulation

Packaging and Waste Packaging Regulation

Construction Products Regulation

DPP across sectoral legislation

Regulation	Status	DPP Implementation
Batteries and waste batteries	In force	Battery passport via QR code
Marketing of construction products	In force	Construction digital product passport system
Packaging and packaging waste	In force	Harmonised labelling system
Safety of toys	Adopted	Information on compliance, declaration of conformity, CE marking
Detergents and surfactants	Proposal	Technical requirements to be established via implementing acts

Avoiding legal fragmentation



The Challenge

- DPP provisions are to be integrated across a wide range of **sectoral legislation**.
- Aims are **multi-faceted**, serving varied objectives from consumer empowerment to circular economy and efficient market surveillance.

How are the challenges being addressed



The underlying DPP system will **operate uniformly**, regardless of the product sector;



The Commission coordinates internally to ensure a good **alignment** between different Commission legislative proposals



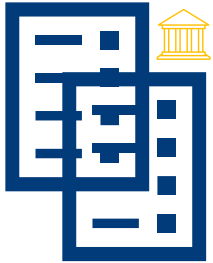
Standardisation work is also being undertaken by CEN-CENELEC to **ensure interoperability** between different elements



The opportunity to integrate **horizontal provisions** through the New Legislative Framework is being analysed

DPP as part of the **New Legislative Framework**

The New Legislative Framework (NLF): provides a blueprint for product harmonisation legislation aligning 30 EU legal acts.



The DPP can support this framework in several ways:

- Reuse of DPP for regulatory compliance
- Moving from paper to digital
- Reinforcing support for Market Surveillance Authorities
- Reducing legal fragmentation

Benefits for consumers, businesses and public authorities



Consumers

- **Removal of paper-based instructions** of use by adding them in a digital format in the DPP
- Access to clear, verified data (origin, materials, sustainability) to **compare products** and supporting circular behaviour
- Access additional services related to the products they plan to buy or already own – **instructions of use, repair or maintenance information, accessories information**
- Increase the trust in the **authenticity of products**



Businesses

- Full **traceability of components** and materials to support sustainability reporting and claims
- Centralised digital product data that leads to the **simplification of reporting processes**
- **Digitalise paper-based information**, like instruction of use, allowing for **reducing the costs of printing, shipping and storing** these documents
- Enabling **new business models** by offering customers connected services via the DPP (repair, maintenance, accessories, etc.)
- Enhance the **detection of counterfeiting cases** based on the DPP data usage.



Public Authorities

- Increasingly automated **verification of compliance** using standardised digital product data leading to more efficiency for customs and market surveillance processes
- **Access to harmonised digital product data** that allows authorities to perform risk assessment processes
- **Non-compliant and unsafe product can be flagged** by market surveillance authorities.
- Integration with eSurveillance webcrawler to **detect similar dangerous products**



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Digital Product Passport Technical Framework

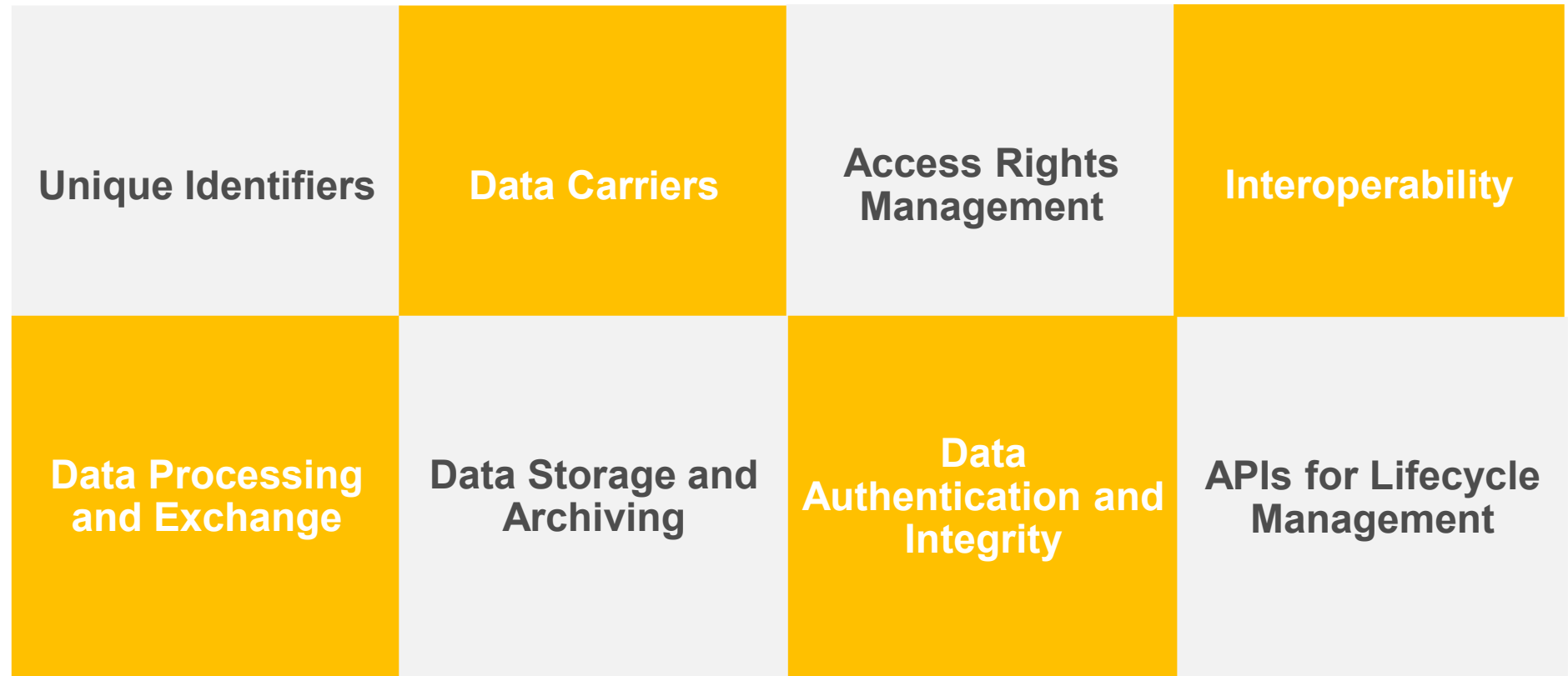
Standards and protocols - international

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- Eight harmonised standards are being developed in close collaboration with JTC 24, the **CEN-CENELEC Joint Technical Committee** on the Digital Product Passport.
- Global interest in European standardisation is growing, with **multiple countries actively** engaging in the process.
- Ensuring **interoperability across supply chains** remains a fundamental objective for effective implementation.
- The European Commission is proactively **monitoring and contributing** to international standardisation developments.

Harmonised standards

8 new areas of harmonised standards

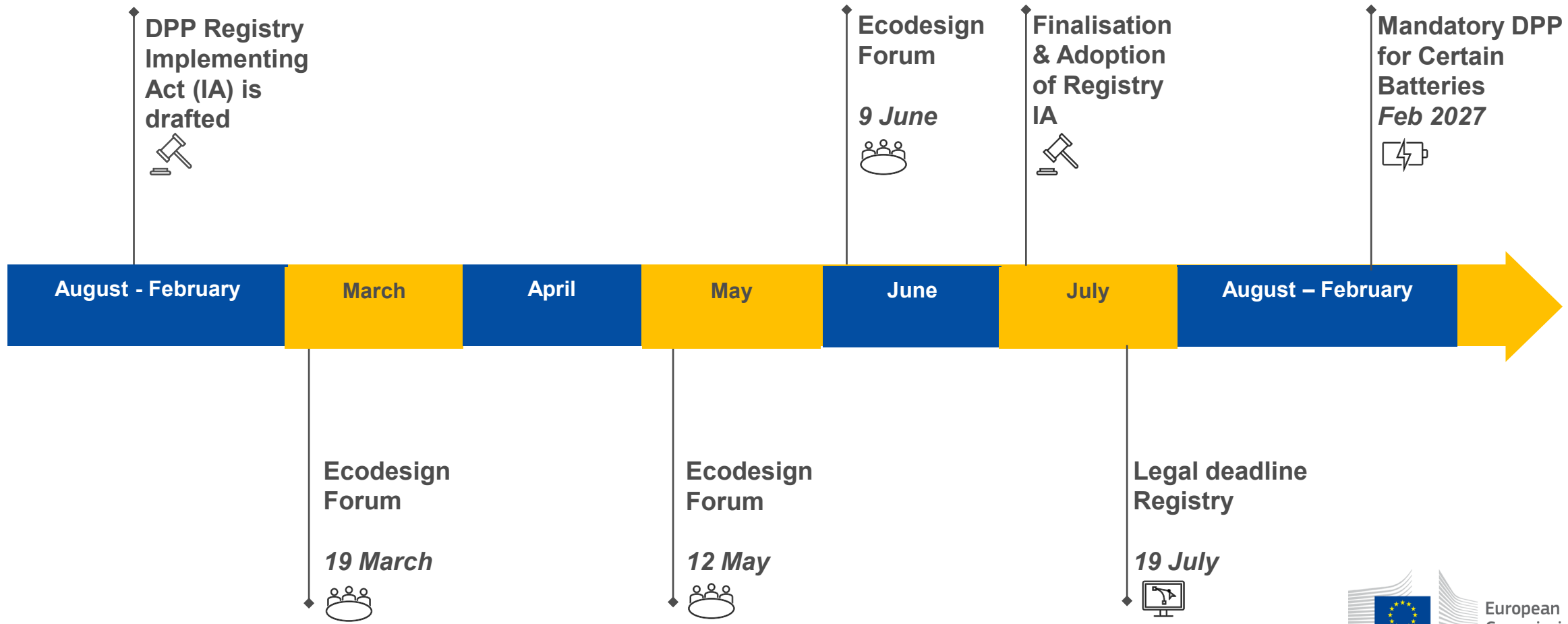




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The way forward

Timeline: DPP Registry



Milestones



The **public consultation** for the **delegated act setting out the requirements for DPP Service Providers** closed on 1 July.



The **EU Harmonised Standards** undertaken by CEN-CENELEC is due to be completed by **early 2026**.



Launch of the **DPP registry** in **July 2026**.



Certain types of big batteries are the first product category for which the DPP becomes mandatory in **February 2027**.



The DPP is being introduced for a **wide range of other products, specified in ESPR Work Programme**, from **the end of 2027 onwards**.

Priority products set out in the ESPR Work Programme **

Final products included



Textiles/Apparel

2027*



Furniture

2028*



Tyres

2027*



Mattresses

2029*

Intermediate products included



Iron & Steel

2026*



Aluminium

2027*



Energy-related products

2026 - 2030*



ICT products

2029*

Products included under the transition rules

* indicative timeline for adoption

** Document 52025DC0187, COM/2025/187 final

Supporting business along the implementation

The Commission intends to develop:

- Technical guidance documentation for DPP registration and the use of the DPP registry;
- Open-source tools to help companies (incl. SMEs) to create DPPs and validate their DPPs structure.

In designing the overall DPP system simplicity and cost-effectiveness for SMEs are the important considerations.

Operationalisation of the DPP

DPP STANDARDISATION MILESTONES (CEN-CENELEC)

Development and adoption CEN-CENELEC Standards

LEGAL MILESTONES

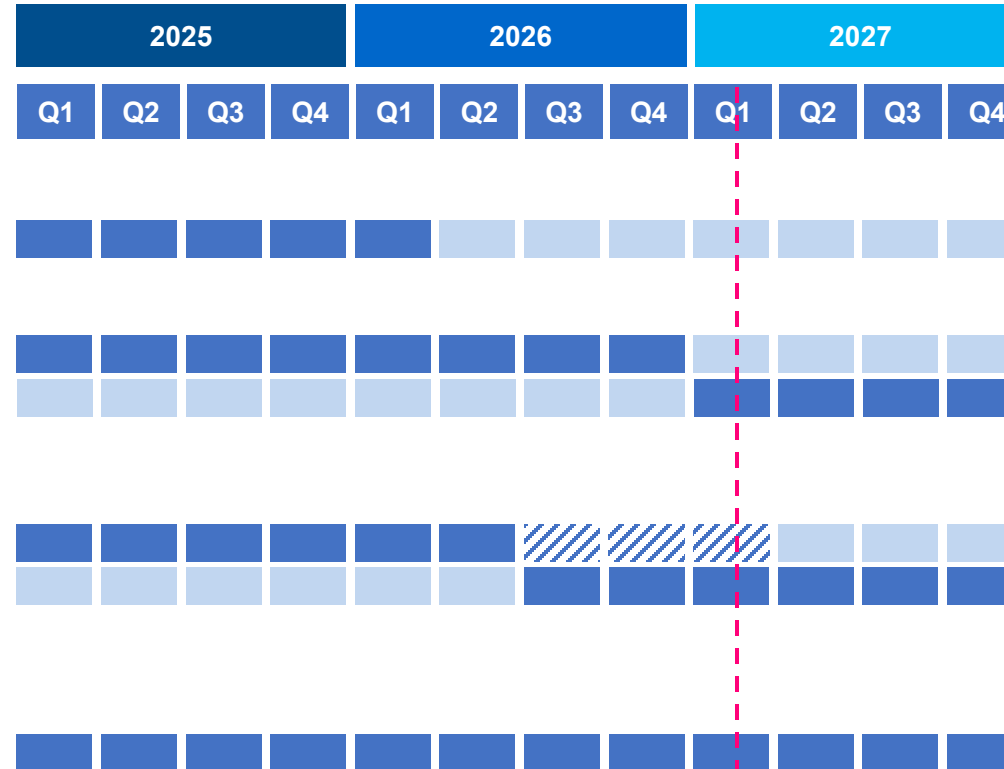
DPP system secondary legislation
Product-specific rules

DPP DIGITAL IMPLEMENTATION MILESTONES

DPP Registry
Web portal

STAKEHOLDERS ENGAGEMENT AND COMMUNICATION

Engage stakeholders



▨ Registry established & testing activities with industry

Thank you!

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