OSS 4 DPP

Bringing European Standards Into Running Code

DPP – Success Story of a Concept

This Regulation also establishes a digital product passport, provides for the setting of mandatory green public procurement requirements and creates a framework to prevent unsold consumer products from being destroyed.

‘digital product passport’ means a set of data specific to a product that includes the information specified in the applicable delegated act adopted pursuant to Article 4 and that is accessible via electronic means through a data carrier in accordance with Chapter III;

From: Ecodesign for Sustainable Products Regulation (ESPR), Art. 1 and 2 [Regulation 2024/1781].

DPP – Entering the Stage

Starting Point: Circularity

… but on a broad scale !



Tracking of **raw materials extraction/production**, supporting due diligence efforts

Enable **manufacturers** to create products **digital twins**, embedding all the information required

Tracking the life story of a product, enabling services related to its **remanufacturing**, **reparability, re-use/re-sale/second-life, recyclability**, new business models

Benefit **market surveillance authorities and customs authorities**, by making available information they would need to carry out their tasks

Make available to **public authorities and policy makers** reliable information. Enable to link **incentives** to **sustainability performance**

Allow **citizens** to have access to **relevant and verified information** related to the characteristics of the products they own or are considering to buy/rent (e.g. using apps able to read the identifier

[Graphic taken from presentation of the European Commission on the ESPR and the DPP.]

Central Concept for Product Information

The DPP evolved

From the use case of circularity and sustainability

To the central puzzle piece of the digital product data ecosystem, including compliance reporting

Why we are here

Standards for the DPP were developed in CEN/CENELEC JTC 24 based on EU Standardisation Request

Final and published

Next step implementing the standards

The project aims at an Open Source implementation to facilitate the uptake of the standards

… bringing the standards into running code.

Who benefits

DPP is a key tool for digital transformation of industry and for increasing efficiency.

DPP will become a regulatory duty for all products in the EU

Save time and money for the implementation, integration, and test

Industry-ready open-source implementation

Proven interoperability and compliance with harmonized standards will be a key result.

Continuously reflect business needs and upcoming regulatory or implementation changes

Contribute existing code to the Open Source project, and collaboratively complement what is missing

Build on existing standards for creating and registering DPPs

Use the proven expertise of the Eclipse Foundation