



IntegraLayer

DPP Category Clarity

IntegraLayer Perspective | April 2026

On April 6, 2026, SMX (NASDAQ: SMX) launched its **Digital Material Passport Platform (DMPP)** — a blockchain-backed platform creating physical-to-digital identities for plastics, metals, and advanced materials using intrinsic material markers. It is a meaningful addition to the materials-traceability landscape and an early signal of how the Digital Product Passport (DPP) category is taking commercial shape ahead of the EU EPR registry in mid-2026.

As the category moves from concept to commerce, a category-level question becomes urgent: **what exactly is being verified, and by whom?** The answer separates two distinct infrastructure layers that are increasingly collapsed into one label.

Two Layers, Often Conflated

Dimension	SMX DMPP	IntegraLayer
What is verified	The material itself (composition, origin)	The certificate issued about the material or product
Verification method	Intrinsic material markers + blockchain-anchored digital record	Blockchain-timestamped certificate records, scannable via QR code in real time
Who issues trust	SMX (platform operator)	The accredited certification body — IntegraLayer is neutral infrastructure
Buyer	Brands, traders, producers of raw materials	Certification bodies
Architecture	Proprietary platform	Neutral infrastructure sitting above existing certification platforms
ESPR alignment (2024/1781)	Proprietary platform-led approach	Open, non-proprietary orientation — aligned with Article 9 intent

Why the distinction matters now

EU Regulation 2024/1781 (ESPR) mandates an open, non-proprietary DPP registry, expected mid-2026. A proprietary DPP platform can store material-identity data — but certifications used as inputs into those passports (recycled content, responsible sourcing, composition claims) still need to be independently verifiable by any party, at any time, without relying on the platform operator. Material-layer verification and certificate-layer verification are complements, not substitutes.

The DPP category is not a winner-take-all market — it is a stack. SMX's DMPP addresses material-level identity. IntegraLayer addresses certificate-level verification. As ESPR, CSRD, the EU Deforestation Regulation, and the FTC Green Guides take force, both layers will be needed — and the market will benefit from precision, not conflation.

Trust isn't claimed. It's proven. The truth is verifiable.

IntegraLayer LLC | Patent Pending

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