

Country (Insert country of origin of your company / organization or its headquarters' location)

United States

Submitting Organization/Company

Textile Exchange

If Organization or Company, please indicate the approximate number of employees

< 250

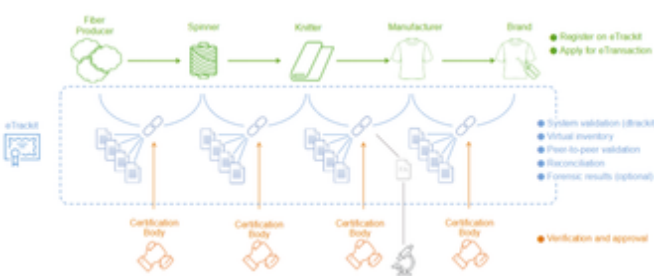
Please indicate the number of employees

90

Title of the action

Textile Exchange's Digital Trackit "eTrackit": improved integrity, traceability, and efficiency to the textile value chain

Upload your logo or an image



Relevant Website

www.textileexchange.org

Main Partners

Textile Genesis

Type of initiative

Private

Description of action

eTrackit is intended as an alternative to our primary traceability mechanism (transaction certificates issued by a certification body) to track the physical movement of certified material and process transformation at article level from site-to-site across the textile value chain. eTrackit leverages innovative technologies to deliver improved integrity, traceability, and efficiency to the textile value chain. It differs from dTrackit in what it traces (article-level physical material flow), how it traces (digital tokens), and how that data is exchanged. It marks a fundamental shift in the way Textile Exchange manages the chain of custody in the Content Claim Standard.

Type of action

Traceability

Please select the specific area/s of the action

Norms and standards

Research and Development of Innovative Solutions

Scope of the action, including a description of the value chain processes that are covered

Objective (max 200 words): The objectives of eTrackit are: Reduce the lead time of certification data life cycle; Reduce manual handling of data; Increase the integrity of the chain of custody to deliver provenance and impact; Track the flow of physical material at the article level throughout the value chain; Prevent fraud by creating a closed-loop value chain coupled with peer-to-peer validation; Integrate physical material authentication with site and transaction verification.

Commitments (max 200 words): The aim of the project is offer end-to-end physical movement traceability (from fiber production, spinning, knitting, manufacturing and distribution) at article level using tokens to all organizations certified to Textile Exchange standards by end of 2023.

Value Chain Scope: Certified organizations will still need to apply for scope certification with certification bodies as eTrackit operates only at the transaction level. To use eTrackit, certified organizations will need to register themselves and their sites on the eTrackit system. Registered sites are validated against their permissible scope (derived from dTrackit) automatically by the system and passed to certification bodies for verification and approval. Once sites are registered, certified organizations can apply for eTransactions, which the system will validate against the permissible scope (derived from dTrackit), available inventory, as well as conformance to content and standard requirements. Validated eTransactions are then passed to certification bodies for verification and approval. With the approval of eTransactions, the system will draw from the virtual inventory of the seller and move it to the buyer. The buyer will further need to accept the inventory to complete the peer-to-peer validation. The virtual inventory coupled with the peer-to-peer validation ensures that certified volume is always zero-sum within the value chain.

Timeframe and/or milestones for the action

- Target pilot completion : Q2 2022
- Estimated commercial release: Q1 2023

Reference instruments and sources used

Textile Exchange standards, policies and guidelines including:

<https://textileexchange.org/wp-content/uploads/2020/08/TE-201-V2021.5-Document-List-Public.pdf>

Expected benefits and impact for the stakeholders involved

Enhanced visibility of compliance with sustainability requirements by industry actors/partners along the entire value chain

Enhanced traceability of the social/environmental/ethical attributes of product(s)/materials along the value chain; for example, for origin, quality, sustainability performance, and compliance with health and safety requirements for consumers and workers

A measurable impact on sustainability in value chains over time, eventually verified through life-cycle assessments and/or sustainability certifications

Management of reputational risk for manufacturers, brands and retailers who are selling the products concerned

Stakeholders involved

Business and industry associations

Producers, Suppliers/Manufacturers, Brands/Retailers, Certification Bodies

Key performance indicators for the action

- Number of certification bodies
- Number of scope certificates
- Number of transaction certificates
- Number of certified sites
- Number of certified raw materials, processes, and products
- Volume of certified raw materials, processes, and products

How has this UNECE-UN/CEFACT Call to Action contributed to strategic engagement and/or public awareness in support of your commitment?

The UNECE-UN/CEFACT Call to Action has reinforced the need and urgency for a collaborative approach to solving issues on traceability of sustainable fibers and materials.

Link to relevant goal(s) and specific target(s) of the United Nations

