

UN/CEFACT Cross Industry Supply Chain Track and Trace Project Status Update

**UN/CEFACT Forum
09/10/2020**

Hanane Becha

Transport & Logistics Vice-Chair, UN/CEFACT

Project Lead

hanane.becha@dcsa.org



UN/CEFACT

Cross Industry Supply Chain Track And Trace Project

Hanane BECHA, Project Lead, UN/CEFACT Vice Chair

Todd Frazier, Lead Editor

Lance Thompson, UN/CEFACT Secretary

Ian Watt, UN/CEFACT supporting Vice Chair

Sue Probert, UN/CEFACT chair

Agenda

T&T Project

- Mission Statement
- Definitions
- Scope and Purpose
- Participants
- Current Status
- Deliverables
- Next Steps

T&T Project Mission Statement

- The mission of this project is to enable tracking, tracing and monitoring of products (or assets) and to enable information sharing in standard electronic format.
- Scenarios and Use Cases will be defined to explain the data that will be generated and captured concerning products or other traded items (e.g. lots).
- To track, trace and monitor any traded and identified items in a singular or intermodal transport supply chain, including transport equipment or assets (e.g. pallet, container).
- The focus is on logistics services (enhancing visibility, preserving quality) to transport the traded goods between the **seller** and the **buyer**.
- Outputs will be the harmonized XML schemas to support the business processes.

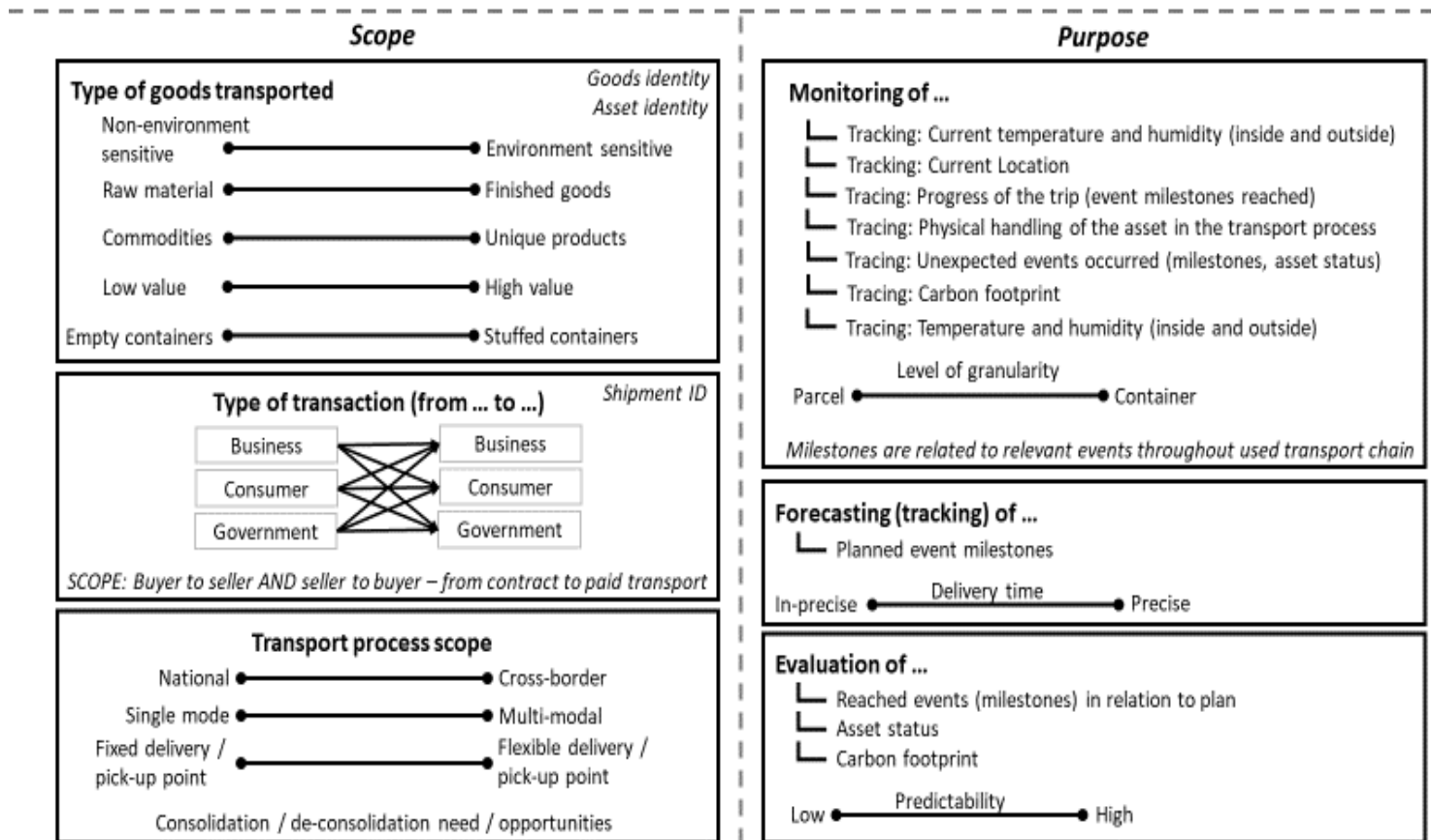
T&T Project Definitions

- **Assets** are the products and/or transport equipment
- **Tracking** is knowing where the asset is at a specific time
- **Tracing** is knowing the history of location/movement of the asset at any time
- **Monitoring** is knowing the physical condition of the asset
- **Identifier** (bar code, RFID, IoT device) – each trackable/traceable asset must have a unique identifier
- **Lot** is an attribute of a traded item, with an identifier assigned to a collection of products / traded items.

T&T Project

Scope and Purpose

Track and trace framework



The project participants include 58 UN/CEFACT Experts of varied backgrounds and experience from Europe, Asia and North America

T&T Project

Multiple organizations are interested

- 51biz
- Accenture
- Alice
- BoxPlus
- Cif-consulting
- CUFEBEIJING
- Customs-Hub
- Emerson
- Fedex,
- Globe Tracker
- Greenwich
- GS1
- IATA
- Iboxplus
- IPCSA
- LIUC Università Carlo Cattaneo
- Marine traffic.com
- Maritime, Port & IT Global Consulting & Business Solutions
- Nexxiot
- Orbcomm
- P2dl
- Physical Internet Greater China
- RISE Sweeden
- School of Industrial Engineering
- Smart Maritime Network
- Taxandtrade
- Traxens
- Ttotum Labs
- Université de Montréal
- And many independent experts...

T&T Project

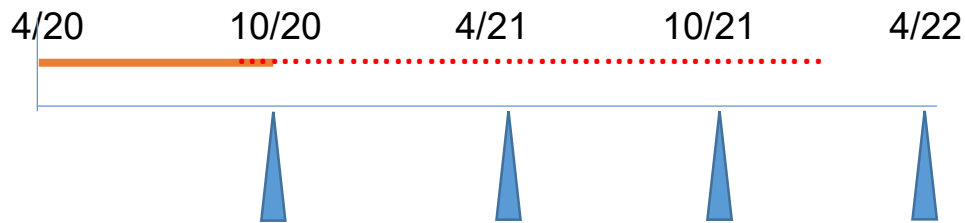
Current Status and Deliverables

- Exploratory phase - has been completed, to examine the scope and develop a project structure
- Green Paper (Informal) – Participants in sub-working groups are currently compiling information to provide concepts, scenarios, and Use Cases for all primary modes of transport. (Currently 82 pages.)

Formal DELIVERABLES of the project:

- White Paper (Possible - TBD) to be summarized from the Green Paper
- **Business Requirements Specification (BRS) detailing the Business Process Models of Cross Industry Track and Trace**
- **Message structures (as class diagrams) for the business transactions of Cross Industry Track and Trace**
- **XML Schemas**

T&T Project Timing



PAST:

- Project Kickoff – 4/20
- UN/CEFACT Forum (virtual) – 10/20

PLANNED:

- Green Paper – 12/20
- White Paper (TBD)
- **BRS** – 4/21
- UN/CEFACT Forum – 4/21
- **Message Structures** – 10/21
- **XML Schemas** – 12/21
- **Target Completion** – 1/22
- Project Publication – TBD

Between meetings holding conference calls to continue progress

Thank You

For more information

- **UN/CEFACT Web site**
- <https://uncefact.unece.org/display/uncefactpublic/Cross+Industry+Supply+Chain+Track+and+Trace+Project>

- **Hanane BECHA, Project Lead**
- hbecha@gmail.com



- **Lance Thompson, UN/CEFACT – UNECE- Secretary**
- lance.thompson@un.org