

38th UN/CEFACT Forum

Welcome to the Roundtable Easing Cross-Border Trade in Agricultural Goods

17 May 2020 | Virtual meeting Geneva Switzerland

Ian Watt

Vice Chair UN/CEFACT Bureau - Program Development Areas

Sustainable International Supply Chain & Procurement

Agriculture, Fisheries & Agrifood

Travel & Tourism

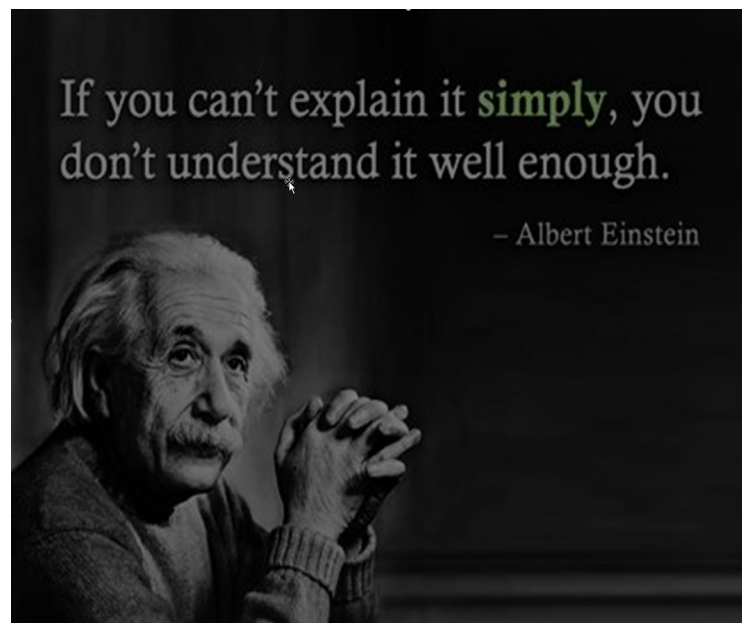
E: ianwatt@nextradeworld.com | W: unece.org/trade/uncefact



UN / CEFACT



Analysing and understanding the key elements of international processes, procedures and transactions and working for the elimination of constraints



Isaac Newton

“Nature is pleased with simplicity”

Leonardo da Vinci

“Simplicity is the ultimate sophistication”

Simplicity is much more complicated to do than complexity – reducing is much more difficult

ROUNDTABLE



Easing Cross-Border Trade in Agricultural Goods (Cross Domain Discussion)

Supporting national and regional trade strategies.

Globally there is particular focus on Agriculture, Fisheries & Agrifood where track & trace not only relates to the physical goods during the logistics process, but also includes Product Conformity, Distributed Identity and Verifiable Credentials.

Tuesday, May 17th 2022
10.00 - 12.30

JOIN US

- National and International Traceability initiatives
- Understanding the AGRI Domains alignment within the Domains of the SISC
- PDA overview of existing deliverables supporting traceability and transparency
- Sustainable International Supply Chain
- Regulatory & eGovernment
- International Trade Procedures
- Methods and Technology





RoundTable Purpose

- There is increasing national and international interest in digital trade strategies as a means of supporting global trade and UN Sustainable Development Goals.
- There is particular focus on Agriculture, Fisheries & Agrifood where track & trace not only relates to the physical goods during the logistics process, but also includes Product Conformity, Distributed Identity and Verifiable Credentials.
- This work is directly connected to several domains of the UN/CEFACT. The Sustainable International Supply Chain (SISC) AGRI domain will facilitate the Round Table. The Round Table is intended as a cross Program Development Area (PDA) forum to consider the overall ecosystem required to support the required traceability and transparency





Agenda

- National and International Traceability initiatives
- Understanding the AGRI Domains alignment within the Domains of the SISC
- Programme Development Areas overview of existing deliverables supporting traceability and transparency
 - Sustainable International Supply Chain,
 - Regulatory & eGovernment International Trade Procedures,
 - Methods and Technology
- Summarization of the current position of supporting UN/CEFACT deliverables
- 'Imagineering' session on identifying GAPS and 'what's missing
- Agreement on the drafting of the Round Table Report to be made available for Bureau consideration.



Working with SDOs and other organizations on standards

A comprehensive overview of organizations that support the international supply chain with private legal rules and technical standards will be launched on the DSI website in Q1 2022. Websites, role of the organization, rulebooks available, technical standards and more.

Private



Public



ICC DSI Standards Toolkit



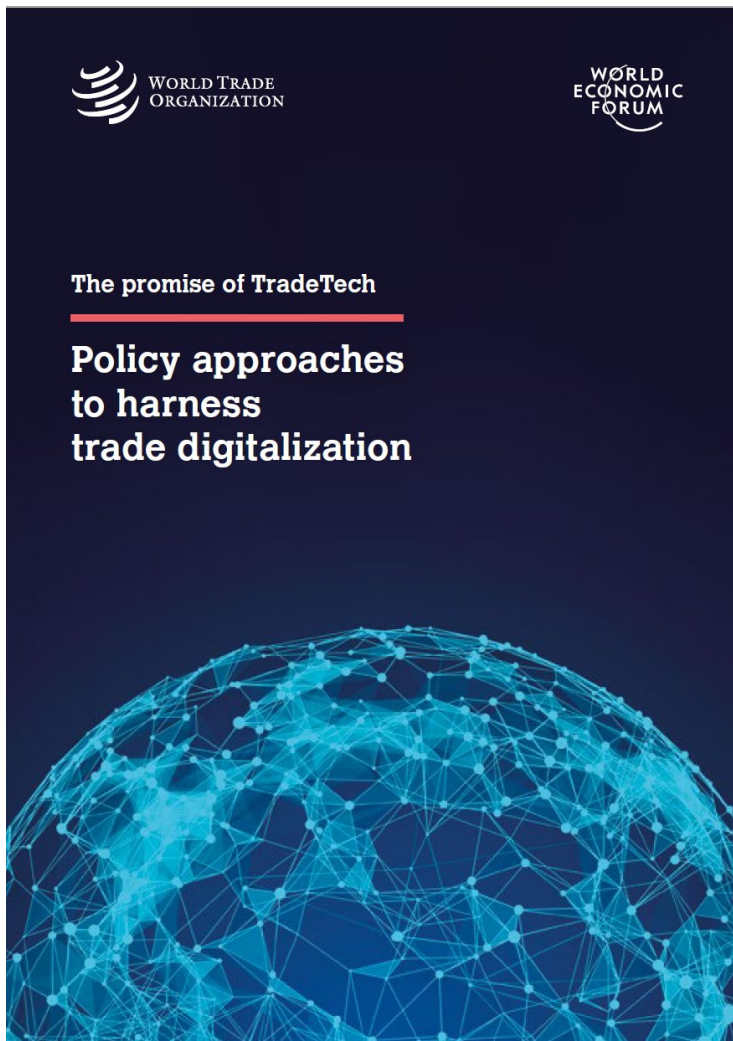
Organisations involved in developing standards devote much time and effort in creating rules, guidelines and best practices to simplify and harmonize how trade and supply chain data are produced and exchanged machine-to-machine.

Some users may not be aware of all the existing standards on trade digitalisation.

This Standards Toolkit provides a starting point to guide users in their digitalisation journey.

For all supply chain actors, leveraging the same foundational standards enables more efficient sharing, reporting and reusability of high quality, reliable data while reducing the amount of translation required when those data are transmitted from system to system.

TradeTech *'Powered by'* UN/CEFACT



- Global Data Transmission and Liability Frameworks
- Global legal recognition of electronic transactions and documents
- Global digital identity of persons and objects
- Global interoperability of data models for trade documents and platforms
- Global trade rules access to computational law

UN / CEFACT

Digital Trade Strategy (April 2022)



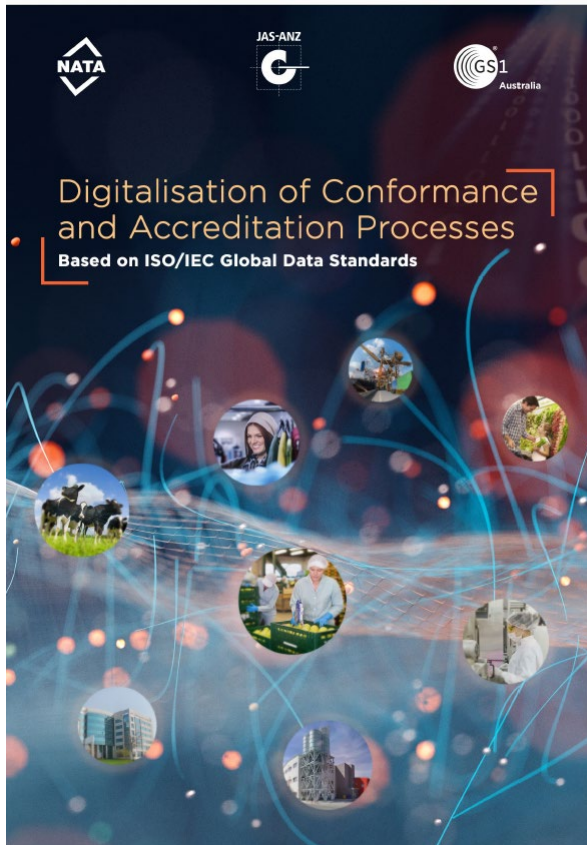
Digital trade standards play an important role in enabling digital trade. Digitalisation and digital technologies may expand a domestic industry's access to international markets if implementation is aligned with international trade standards. Interoperable or harmonised international standards reduce barriers to, and achieve lower friction in, international trade.

The most visible international standards-setting bodies involved in developing standards and frameworks for digital trade and e-business are

- the International Organization for Standardization,
- the International Electrotechnical Commission and
- the United Nations Centre for Trade Facilitation and Electronic Business.

Australian participation in these bodies allows industry experts to shape trajectories and advance the values and interests of Australian consumers and industry.

Digitalisation of Conformance & Accreditation Processes



The rapid transition of global supply chains to data-driven, digital systems is placing new and increasing pressures on product conformity systems, their relevance, and the ability to deliver benefit through international trade income growth and the economic wellbeing of people.

Specifically,

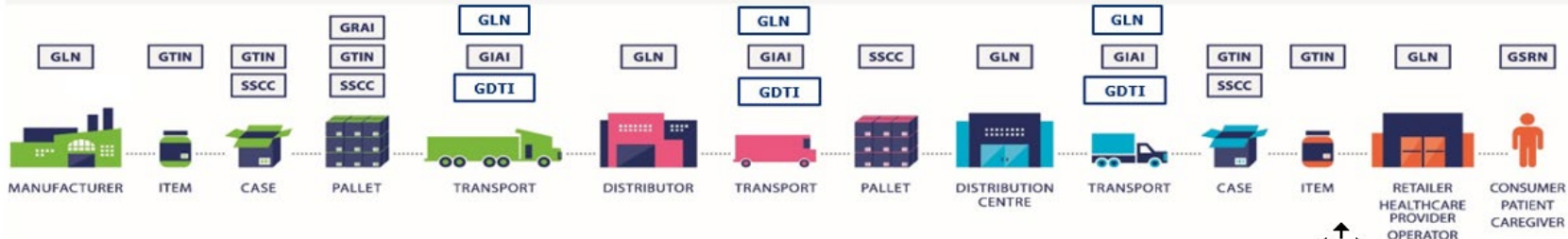
- There is a growing gap between digital product traceability and the traceability of associated product conformity and credentialing information
- Efforts to simplify trade systems require that the national product conformity infrastructure and supporting systems are responsive and of high integrity – enabling rapid verification of credentials and detection of fraudulent or erroneous claims
- Use of recognised standards for the support of digital data exchange, traceability and interoperability is now critical

Identify Capture Share

The joint role of UN/CEFACT & GS1 Standards

IDENTIFY: GS1 Standards for Identification

GLN Global Location Number GTIN Global Trade Item Number SSCC Serial Shipping Container Code GRAI Global Returnable Asset Identifier GIAI Global Individual Asset Identifier GSRN Global Service Relation Number



CAPTURE: GS1 Standards for Barcodes & EPC/RFID

GS1 BARCODES

EAN/UPC



9 501101 021037

GS1-128



(00) 3 9501100 000001001 9

ITF-14



9501 1001 0017

GS1 DataBar



(01) 0 9501101 021037

GS1 DataMatrix



GS1 QR Code



GS1 Composite Barcode



9501101021

GS1 EPC/RFID

EPC HF Gen 2



EPC UHF Gen 2



SHARE: GS1 Standards for Data Exchange

MASTER DATA Global Data Synchronisation Network (GDSN)

TRANSACTIONAL DATA eCom (EDI)

Event Data EPC Information Services (EPCIS)



UN/CEFACT brings it all together

- Under the United Nations umbrella
 - Non-competitive; inclusive by nature; free to participate and free for use
- Base semantic definitions
 - Developed in an open, public-private partnership
 - Mature, robust and trusted; developed over twenty years
 - Covers the entire international supply chain; all sectors and all countries
- Base technical specifications
 - Reused by many organizations, promoting interoperability
- International code lists
- Standard messages and processes



UN/CEFACT - Where to find documents

<http://www.unece.org/uncefact/tfrecs.html>



About UNECE Our work Themes Where we work Open

UNECE **TRADE PROGRAMME** UN CENTRE FOR TRADE FACILITATION AND E-BUSINESS

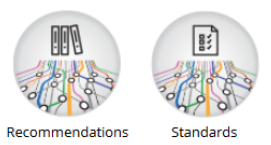
- Trade Programme
 - UN/CEFACT
 - About us
 - Domains
 - Projects
 - Public Reviews
 - Outputs
 - Recommendations
 - Standards
 - UN/LOCODE
 - Streamlined presentation of UN/CEFACT standards**
 - Business Requirement Specifications (BRS)
 - Core Components Library (UN/CCL)
 - ISO/TC 154
 - Requirements Specification Mappings (RSM)
 - UN/EDIFACT
 - UNTTED-ISO7372
 - XML Schemas
 - Technical Specifications

UN/CEFACT

Introduction

The United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) is a sub-intergovernmental body of the United Nations Economic and Social Commission for Europe (UNECE) which serves as a focal point within the United Nations Economic and Social Council for trade facilitation recommendations and electronic business standards. It has global membership and its members are experts from intergovernmental organizations, individual countries' authorities and from the business community.

Key areas of work



In Focus

- The 33rd Forum was a success with all recommendations adopted at all times throughout the year, marking the advancement of all of the regular work.
- The UN/CEFACT 25th Plenary approved Recommendation 43 on Sustainable Business Practices.

Streamlined presentation of UN/CEFACT standards

United Nations Code for Trade and Transport Locations (UN/LOCODE)

[UN/LOCODE](#)

United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT)

[UN/EDIFACT](#)

Supply Chain Management

[Supply Chain Reference Data Model \(SCRDM\)](#)

[Cross Industry Invoice](#)

[Cross Industry Delivery](#)

[Cross Industry Catalogue](#)

[Material Safety Data Sheet Data](#)

[Cross Industry Quotation](#)

[Cross Industry Remittance Advice](#)

[Cross Industry Scheduling](#)

[Contract Financial Execution Message](#)

[Cross Industry Ordering Process](#)

[Market Research Information](#)

Transport and Logistics

[Multi-modal Transport \(MMT\)](#)

[Transport & Logistics - eCMR](#)

[Verified Gross Mass \(VERMAS\)](#)

[International Forwarding and Transfer](#)

Transport and Logistics

Multi-modal Transport (MMT)

Multi-Model Transport and Logistics (MMT) Reference Data Model

- White Paper on RDM [English](#) [French](#) [Russian](#)
- RDM Guidelines [PDF](#)
- BRS [PDF](#)
- Executive Guide
- Structure Report / Data Elements [PDF](#)
- XSD Schema [PDF](#)
- UML Diagram [PDF](#)
- HTML index

Transport & Logistics - eCMR



UN/CEFACT

Where to find documents

tfig.unece.org

The screenshot shows the homepage of the Trade Facilitation Implementation Guide. At the top left, the title "TRADE FACILITATION IMPLEMENTATION GUIDE" is displayed. To the right is the UNECE logo and a search bar. Below the title is a navigation menu with links for Home, About, Intro, Domains, Itineraries, Instruments, Organizations, Case Stories, and Training, along with a language dropdown set to English. The main content area features a large graphic of colorful lines and nodes, followed by a welcome message: "Welcome to the Trade Facilitation Implementation Guide. A tool for simplifying cross-border trade." A button for "WTO TF Agreement" is visible. Below this is a section titled "Introduction to Trade Facilitation" with four main categories: Domains (represented by a network icon), Itineraries (represented by a path icon), Instruments (represented by gear icons), and Organizations (represented by people icons). The footer contains the text "Trade Facilitation Implementation Guide" and the UNECE logo.

UN / CEFACT



UN/CEFACT more information & contacts

For further Information

All UNECE and UN/CEFACT Recommendations, codes, standards and publications are available for free on our website at:

www.unece.org/cefact/ and
<https://tfig.unece.org>

All experts are welcome to join the standards development work free of charge

UN/CEFACT Secretariat

Maria Ceccarelli maria.ceccarelli@un.org



Thank you

Ian Watt

Vice Chair UN/CEFACT Bureau - Program Development Areas

Sustainable International Supply Chain & Procurement

Agriculture, Fisheries & Agrifood

Travel & Tourism

E: ianwatt@nexttradeworld.com | W: unece.org/trade/uncefact



UN / CEFACT

