

UN / CEFACT



UNECE-UN/CEFACT

UN/CEFACT Projects through Open Development Process



Ms. Yan Zhang

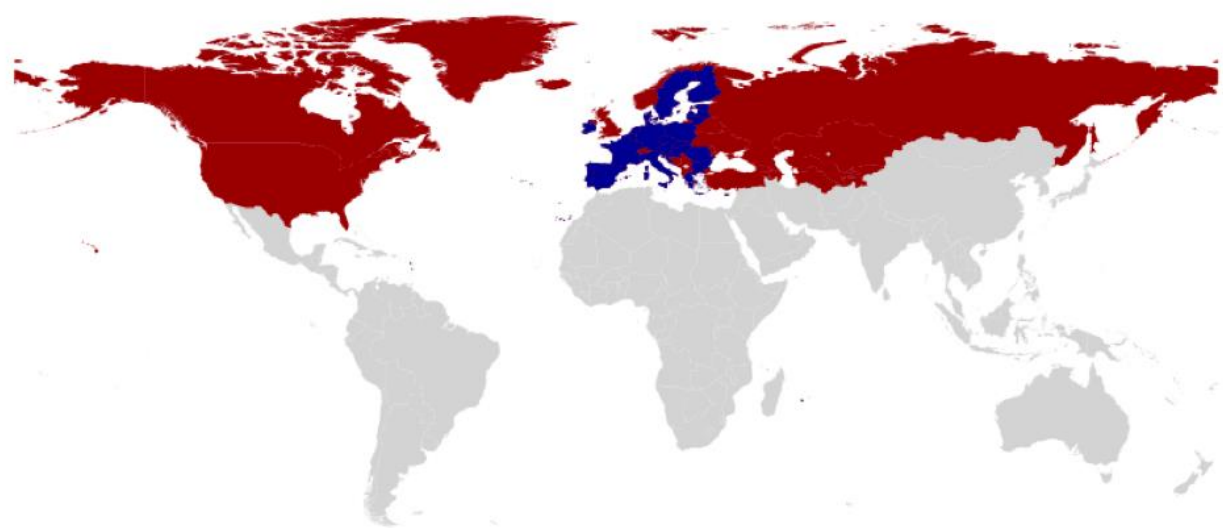
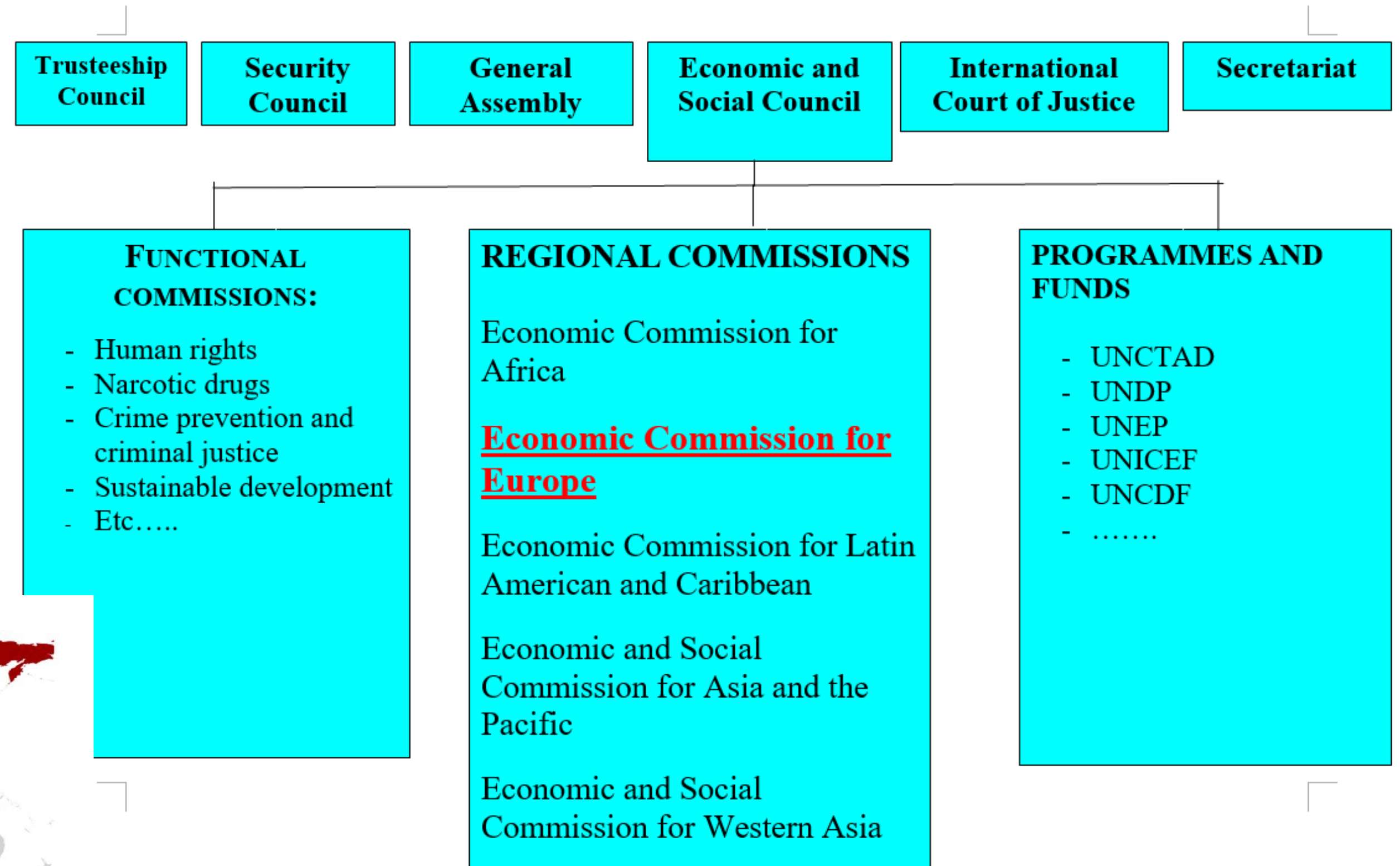
Trade Facilitation Section

Economic Cooperation and Trade Division

United Nations Economic Commission for Europe

25 October 2023

United Nations Economic Commission for Europe



About UN/CEFACT

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information
- Targeted support to SDGs 8, 12, and 17

Deliverables

- Nearly 50 global trade facilitation recommendations
- 950 e-Business standards and guidelines

Means

- Public-Private Partnership
- Over 1500 experts working on 39 active projects
- Bi-annual Forums and annual Plenary sessions
- Regular Bureau calls



UN

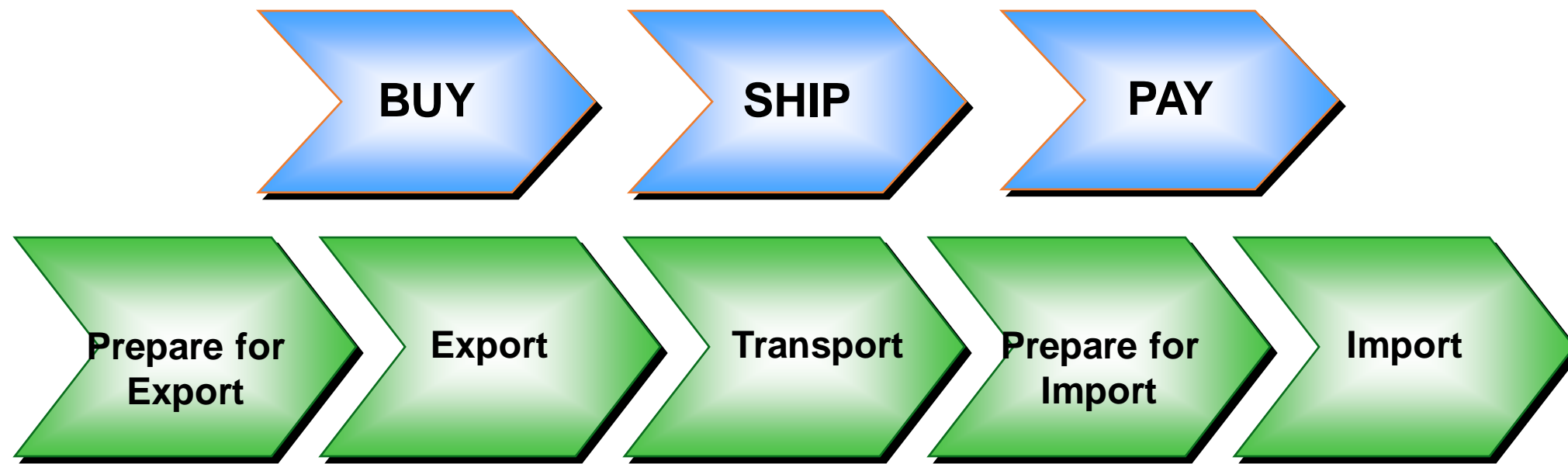
UN/ECOSOC

UNECE

EXCOM

UN/CEFACT

Semantic Hub for Standardization



INVOLVES


Commercial Procedures

- Establish Contract
- Order Goods
- Advise On Delivery
- Request Payment
- Packing
- Inspection
- Certification
- Accreditation
- Warehousing



Transport Procedures

- Establish Transport Contract
- Collect, Transport and Deliver Goods
- Provide Waybills, Goods Receipts
- Status reports etc.




Regulatory Procedures

- Obtain Import/Export Licences etc
- Provide Customs Declarations
- Provide Cargo Declaration
- Apply Trade Security Procedures
- Clear Goods for Export/Import



Financial Procedures

- Provide Credit Rating
- Provide Insurance
- Provide Finance
- Execute Payment
- Issue Statements



→ ↑ BSP Master; D21B > Main >

M BSP Master; D21B

- > M Core Component Types
- > M BSP CCL; D21B
- > M BSP uDT2; D21B
- ▼ Main
 - ▼ Masters
 - ☑ C Buy Ship Pay Master
 - > ☑ C Exchanged Document Context
 - > ☑ C Exchanged Document
 - > ☑ C Exchanged Declaration
 - > ☑ C Logistics Transport Movement
 - > ☑ C Supply Chain Consignment
 - > ☑ C Logistics Transport Equipment
 - > ☑ C Transport Service
 - > ☑ C Trade Settlement Payment
 - > ☑ C Supply Chain Trade Transaction
 - > ☑ C Trade Product
 - > ☑ C Product Batch
 - > ☑ C Animal Batch
 - > ☑ C Referenced Location
 - > ☑ C Production Process
 - > ☑ C Production Facility
 - > ☑ C Header Trade Delivery
 - > ☑ C Line Trade Delivery
 - > ☑ C Valuation Breakdown Statement
 - > ☑ C Financing Request Document
 - > ☑ C Financing Summary
 - > ☑ C Acknowledgement Document
 - > ☑ C TT Exchanged Document
 - > ☑ C TT Object Event
 - > ☑ C TT Transformation Event
 - > ☑ C TT Aggregation Event
 - > ☑ C TT Transaction Event

UN/CEFACT deliverables samples

SINGLE WINDOW

UN/CEFACT developed the first guidance on Single Window and that definition has been used as the basis for all subsequent work. Our guidance covers implementation, data, legal, interoperability.

DOCUMENT LAYOUT

Since the 1960s UN/CEFACT and its predecessors have provided standards for the standardization of the layout of trade documents. The UN Layout Key is the basis of almost all cross border trade documents.

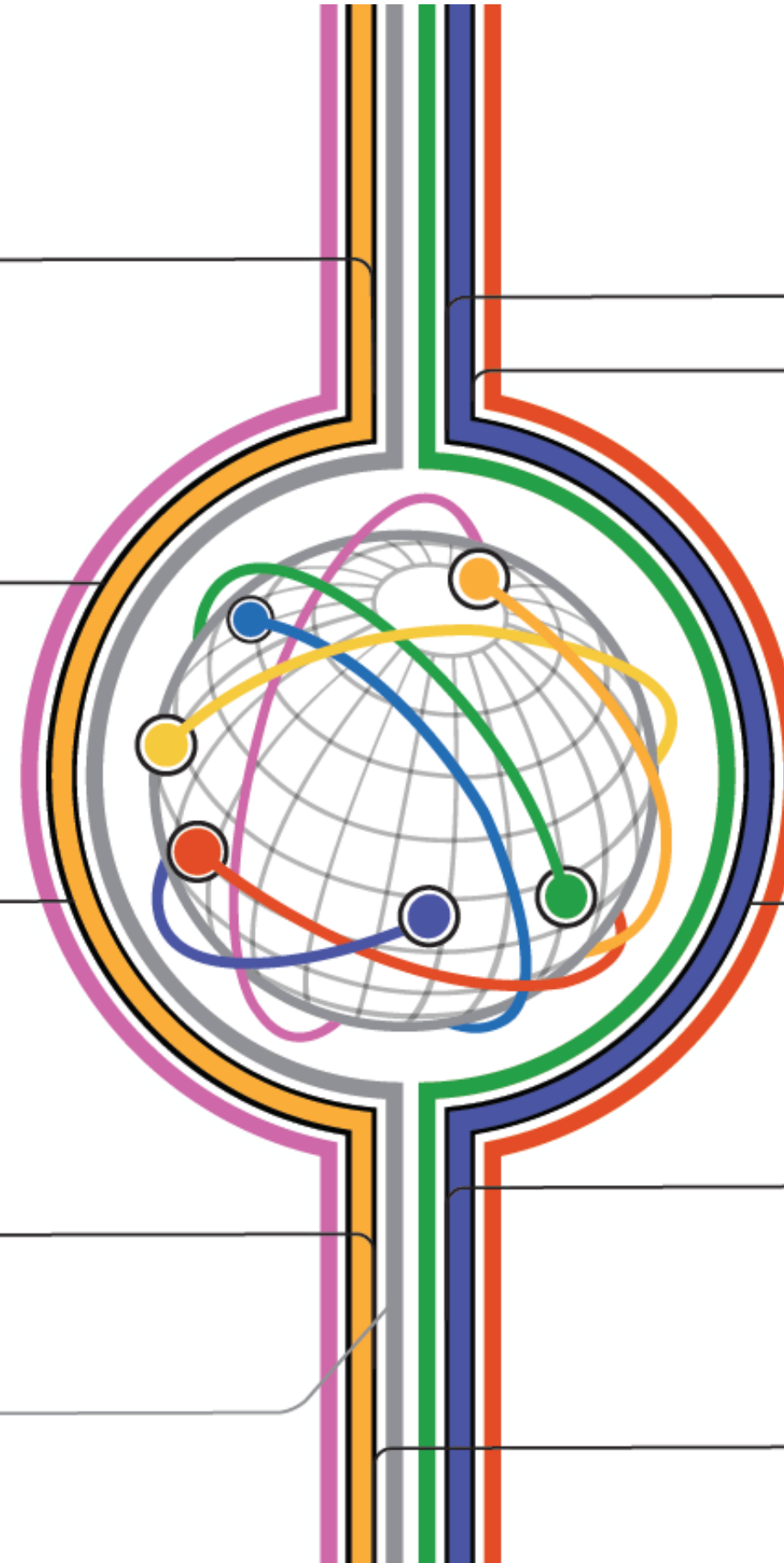
eINVOICING

The UN/CEFACT Cross-Industry Invoice has been chosen as one of the obligatory formats for all public procurement for certain countries and its use will facilitate cross border exchanges.

PROCESS DRIVEN

Traditional electronic messages reflect their original paper documents rather than supporting modern process collaborations such as blockchain. UN/CEFACT is leading the path in this new approach.

These are some examples of UN/CEFACT's deliverables. The full list can be found and downloaded free of charge on our website: www.unece.org/cefact



UN/EDIFACT

The first global electronic data interchange format, UN/EDIFACT is still today the most important centrally developed and maintained EDI standard covering transport, regulatory, supply chain and more.

NTFB (National Trade Facilitation Bodies)

Trade facilitation is not just the domain of the public sector. To be truly effective, private sector concerns and input must be fully considered. This is reflected in UN/CEFACT Recommendations 4 & 40.

TOURISM

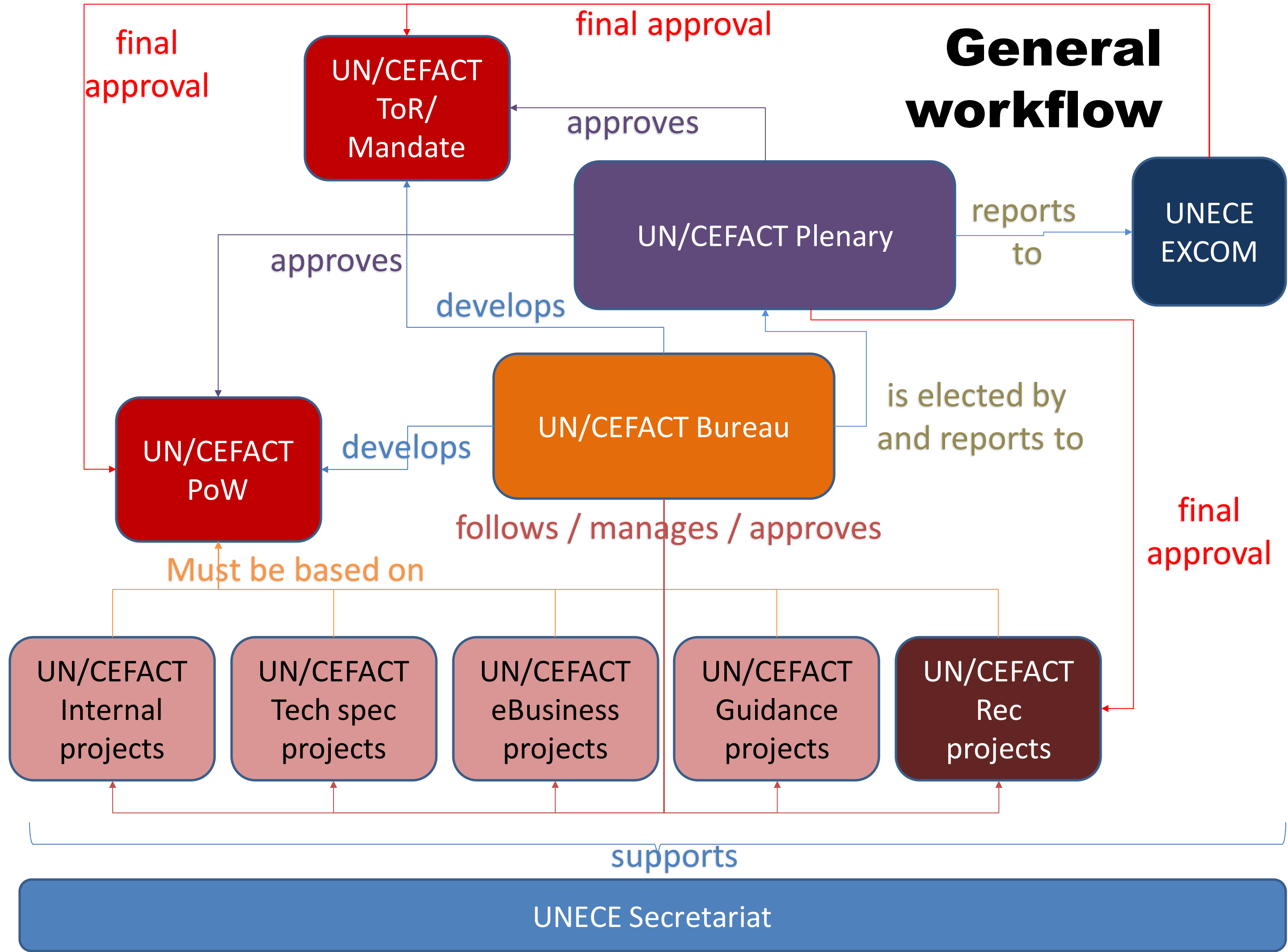
Improving tourism capabilities at a local level helps to improve lives and economies. UN/CEFACT develops and maintains a series of messages designed to enable small scale lodgings to enter markets.

SUSTAINABLE FISHERY

The UN/CEFACT FLUX messages are used in more and more countries to declare fish catches, conformity to regulations & port entries. Their use allow cross-border communication of the information seamlessly.

eSPS CERTIFICATES

Sanitary and Phytosanitary certificates are a regular part of imports and exports. The UN/CEFACT eCert is used to communicate these in international trade.

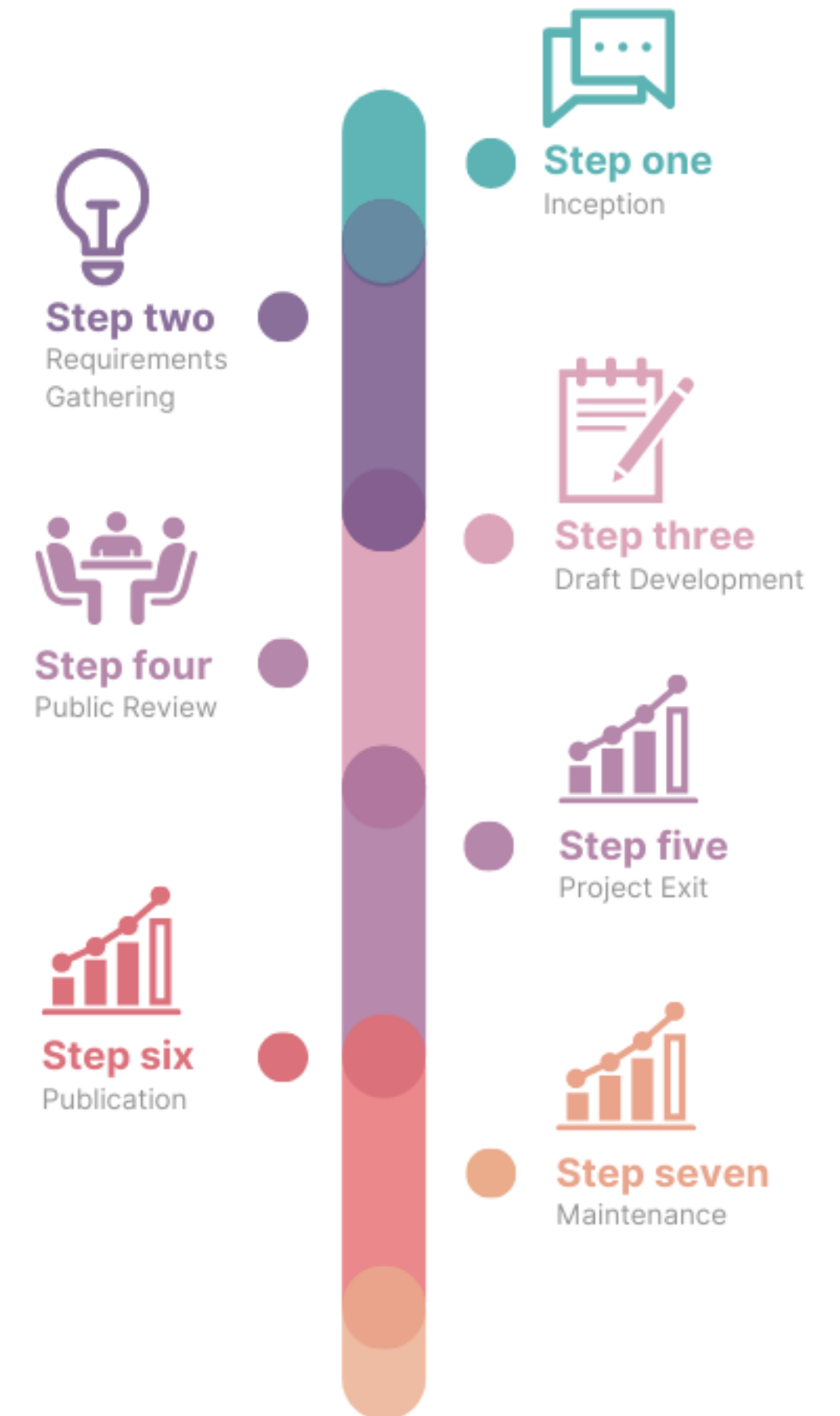


UN/CEFACT Open Development Process



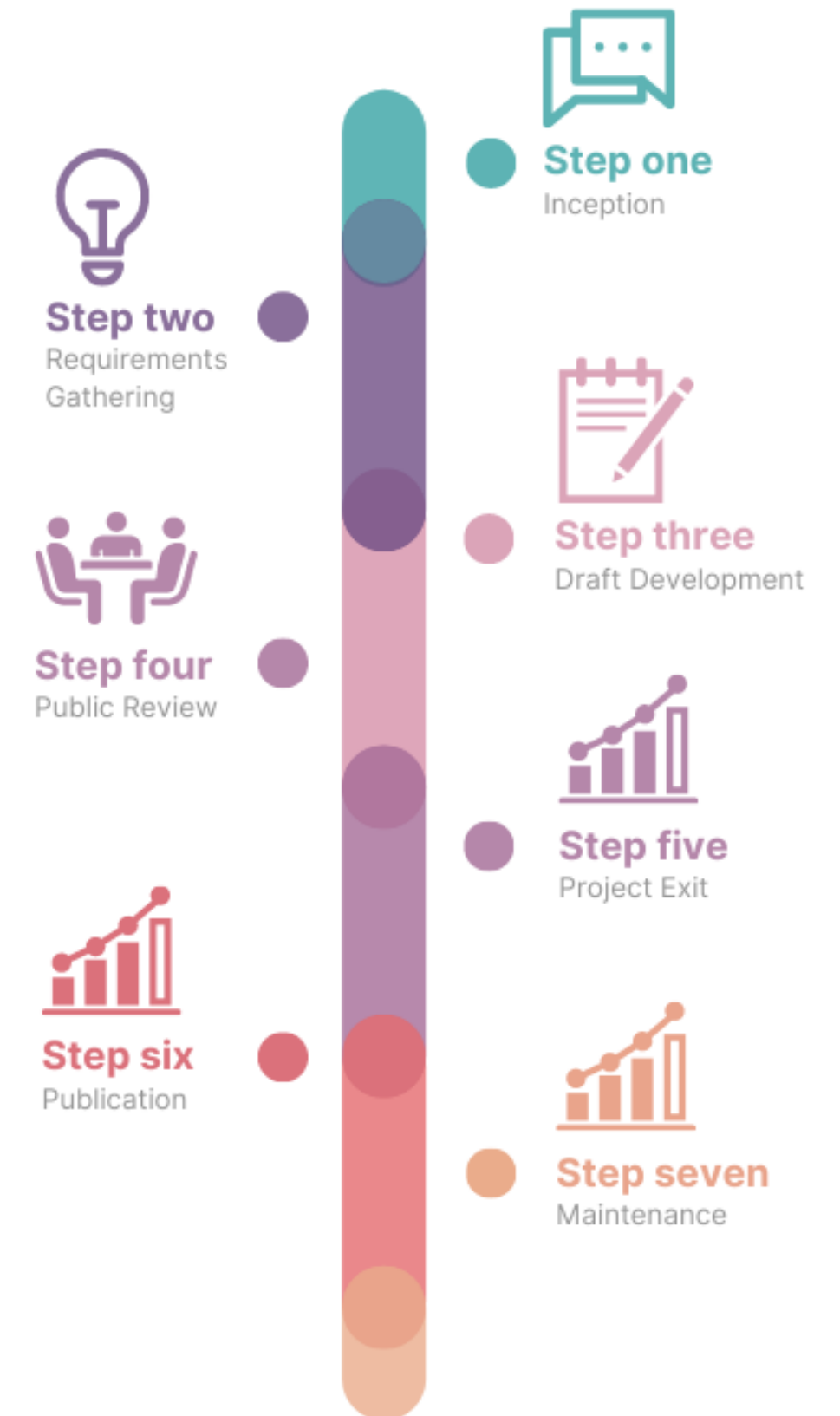
Outcomes and participation in UN/CEFACT

- Recommendations submitted to the UN/CEFACT Plenary for approval by Member States
- Standards and technical specifications are approved by the Bureau within the framework of the Programme of Work
- All UN Member States can participate



Principles

- Welcome participation by anyone designated as an expert by a Head of Delegation to UN/CEFACT.
- Encourage global input.
- Work collaboratively and effectively.
- Not incorporate specific hardware and/or proprietary software requirements into their processes or deliverables, or the implementation.
- Understand and agree to be subject to the UN/CEFACT Intellectual Property Rights (IPR) Policy and the UN/CEFACT Code of Conduct.



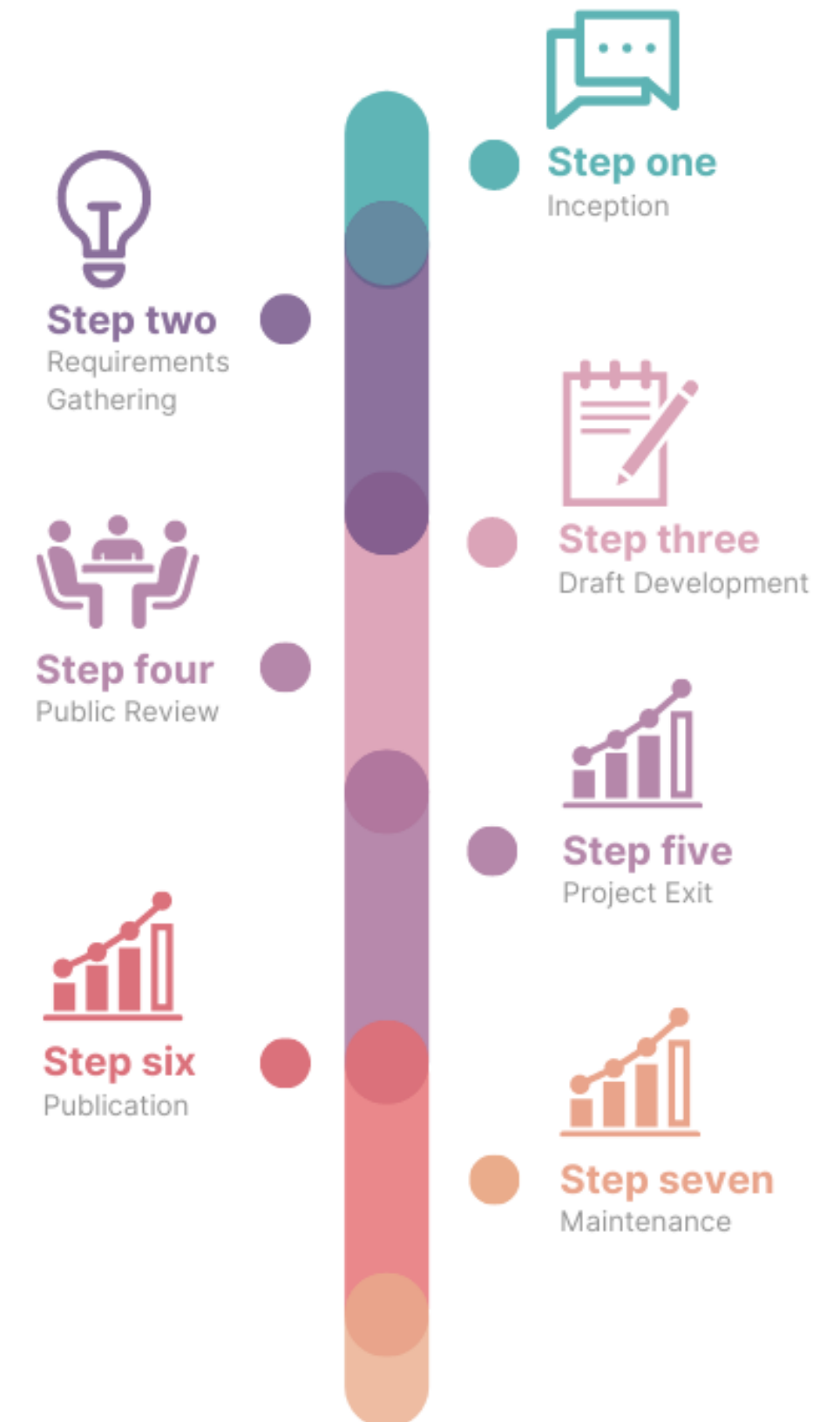
UN/CEFACT Open Development Process



Seven-Step Process

The UN/CEFACT Open Development Process (ODP) is a transparent and inclusive process that allows stakeholders from all over the world to participate in the development of UN/CEFACT standards.

1. Inception
2. Requirements Gathering
3. Draft Development
4. Public Review
5. Project Exit
6. Publication
7. Maintenance



UN/CEFACT Open Development Process



Seven-Step Process – Inception

1. Inception

The creation of a ***Project Proposal*** and the identification of potential project team members. The Project Proposal outlines the objectives, scope, and expected deliverables of the project.



Step two
Requirements
Gathering



Step four
Public Review



Step six
Publication



Step one
Inception



Step three
Draft Development



Step five
Project Exit



Step seven
Maintenance

UN/CEFACT Project Proposal																																																				
Project Name:	Proposed by:																																																			
Date submitted:																																																				
Relevant SDG targets :																																																				
<i>(Please list all relevant Sustainable Development Goals and targets that this project relates to)</i>																																																				
1. Project purpose <i>Required</i>																																																				
2. Project scope <i>Required</i>																																																				
3. Project deliverables and 4. Exit Criteria <i>Required (check all that apply)</i> <i>Please note that the Bureau may reassess and change a deliverable after its completion at its discretion.</i>																																																				
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Impact analysis Please indicate how these project deliverables will affect trade facilitation policies and regulations. Please highlight any anticipated / tangible results achieved. Indicate how the results and impact can be evaluated after the project is completed.</p> <p>6. Project Team membership and required functional expertise Membership is open to UN/CEFACT experts with broad knowledge in the area of: In addition, Heads of Delegations may invite technical experts from their constituency to participate in the work. Experts are expected to contribute to the work based solely on their expertise and to comply with the UN/CEFACT Code of Conduct and Ethics and the policy on Intellectual Property Rights.</p> <p>7. HoD support <i>Required for Technical Standards, Business Standards and UNECE Recommendations. And at the request of the UN/CEFACT Bureau. A request for HoD support will be circulated to all HoDs in these cases. If you have verbal confirmation from specific delegations of their support, please list these here. Projects that require HoD support must obtain this within 6 months of Bureau provisional approval.</i></p> <p>8. Geographical focus The geographical focus of the project is global</p> <p>9. Beneficiaries Highlight relevance for sustainable and digital trade facilitation in developing and transition economies, and benefits to vulnerable groups (e.g. MSMEs and women-led businesses)</p> <p>10. Initial contributions The following contributions are submitted as part of this proposal. It is understood that these contributions are only for consideration by the Project Team and that other participants may submit additional contributions in order to ensure that as much information as possible is obtained from those with expertise and a material interest in the project. It is also understood that the Project Team may choose to adopt one or more of these contributions "as is". <i>List any initial contributions:</i></p> <ul style="list-style-type: none"> 	<p>11. Resource requirements Participants in the project shall provide resources for their own participation. The existence and functioning of the project shall not require any additional resources from the UNECE secretariat. Any additional request:</p> <p>11. Proposed project leadership <i>(subject to Bureau approval)</i></p> <table border="1"> <tr> <td>Proposed project lead:</td> <td>E-mail:</td> </tr> <tr> <td>Proposed Vice Chair:</td> <td>E-mail:</td> </tr> <tr> <td>Proposed domain</td> <td></td> </tr> </table> <p>11. Milestones (repeat for each deliverable, if different) The following are draft milestones of the project.</p> <table border="1"> <thead> <tr> <th>ODP Stage</th> <th>Expected Completion Date</th> </tr> </thead> <tbody> <tr> <td>Yes Project Inception</td> <td>1 month</td> </tr> <tr> <td>Yes / No Requirements gathering</td> <td><input type="checkbox"/> 1 month <input type="checkbox"/> 3 months (Very quick) <input type="checkbox"/> 6 months (Quick)</td> </tr> <tr> <td>Yes Draft development</td> <td><input type="checkbox"/> 12 months (Normal) <input type="checkbox"/> 18 months (Normal) <input type="checkbox"/> 24 months (Long)</td> </tr> <tr> <td>Yes / No Public Draft Review</td> <td><input type="checkbox"/> 2 months</td> </tr> <tr> <td>Yes Project Exit</td> <td>1 month</td> </tr> </tbody> </table>	Proposed project lead:	E-mail:	Proposed Vice Chair:	E-mail:	Proposed domain		ODP Stage	Expected Completion Date	Yes Project Inception	1 month	Yes / No Requirements gathering	<input type="checkbox"/> 1 month <input type="checkbox"/> 3 months (Very quick) <input type="checkbox"/> 6 months (Quick)	Yes Draft development	<input type="checkbox"/> 12 months (Normal) <input type="checkbox"/> 18 months (Normal) <input type="checkbox"/> 24 months (Long)	Yes / No Public Draft Review	<input type="checkbox"/> 2 months	Yes Project Exit	1 month
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Seven-Step Process – Requirements Gathering

2. Requirements Gathering

- The process of identifying and defining the needs, objectives, and expectations of stakeholders for the development of a new UN/CEFACT standard or the revision of an existing one.
- This step also includes recruitment of individual to the project team to assist in the development of the project objectives.



UN/CEFACT Open Development Process

Seven-Step Process – Draft Development

3. Draft Development

Encompasses a variety of activities, including research, consultation with stakeholders, during the on-going nature of the project and the development.

- **Project Team Calls** (Weekly, Bi-Weekly, Monthly) supported by the UNECE Secretariat
- **Documentation** (Meeting Minutes/Recordings, Draft Documents, etc uploaded to the CUE)
- Project progress updates submitted to the Domain Coordinator and Bureau.

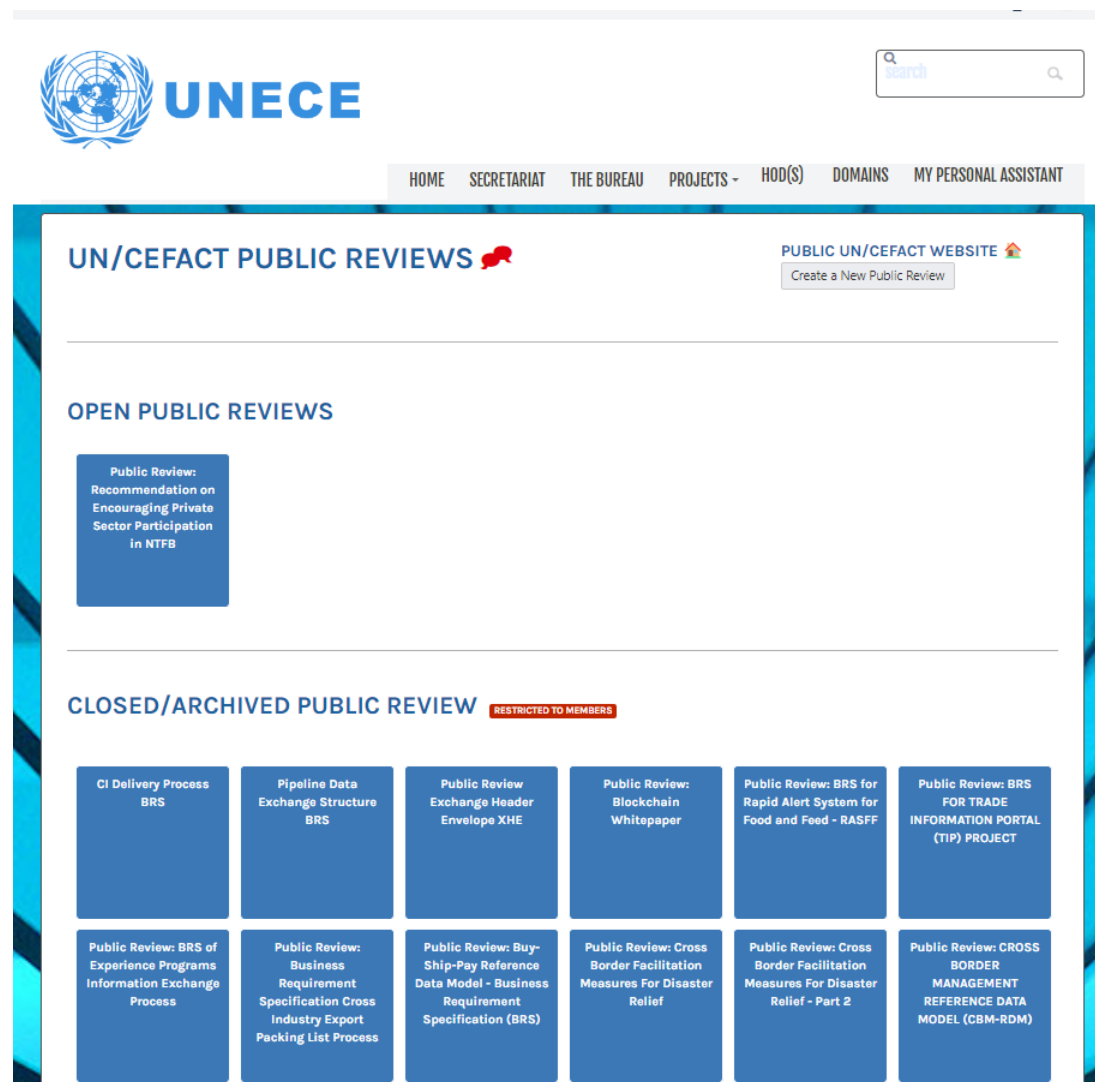
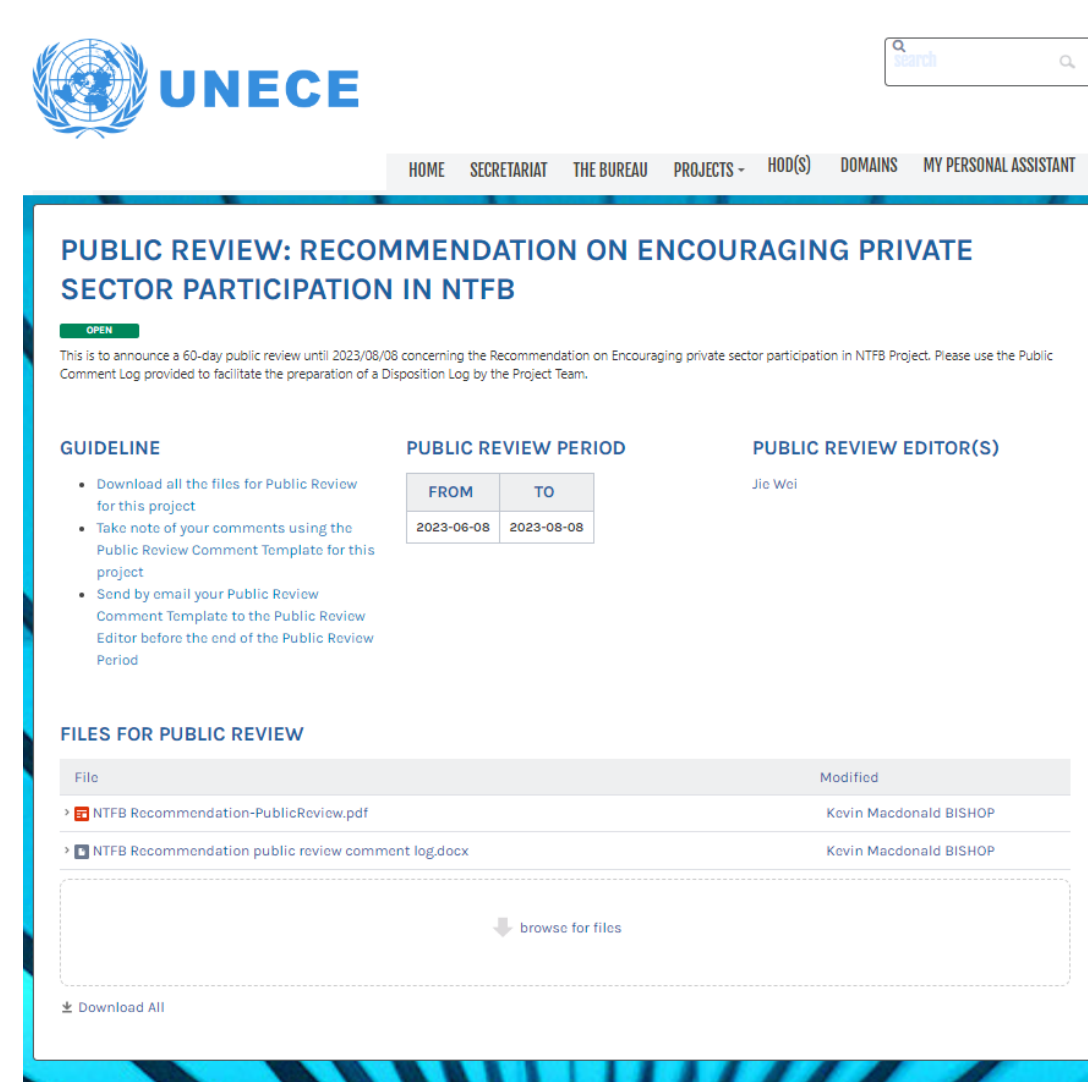


UN/CEFACT Open Development Process

Seven-Step Process – Public Review

4. Public Review

The draft is published for public review and comment. Anyone can provide feedback on the draft, and the working group considers all comments received. The draft project deliverables are publicised and share on the UN/CEFACT CUE Platform with a comment log.

PUBLIC REVIEW PERIOD	
FROM	TO
2023-06-08	2023-08-08

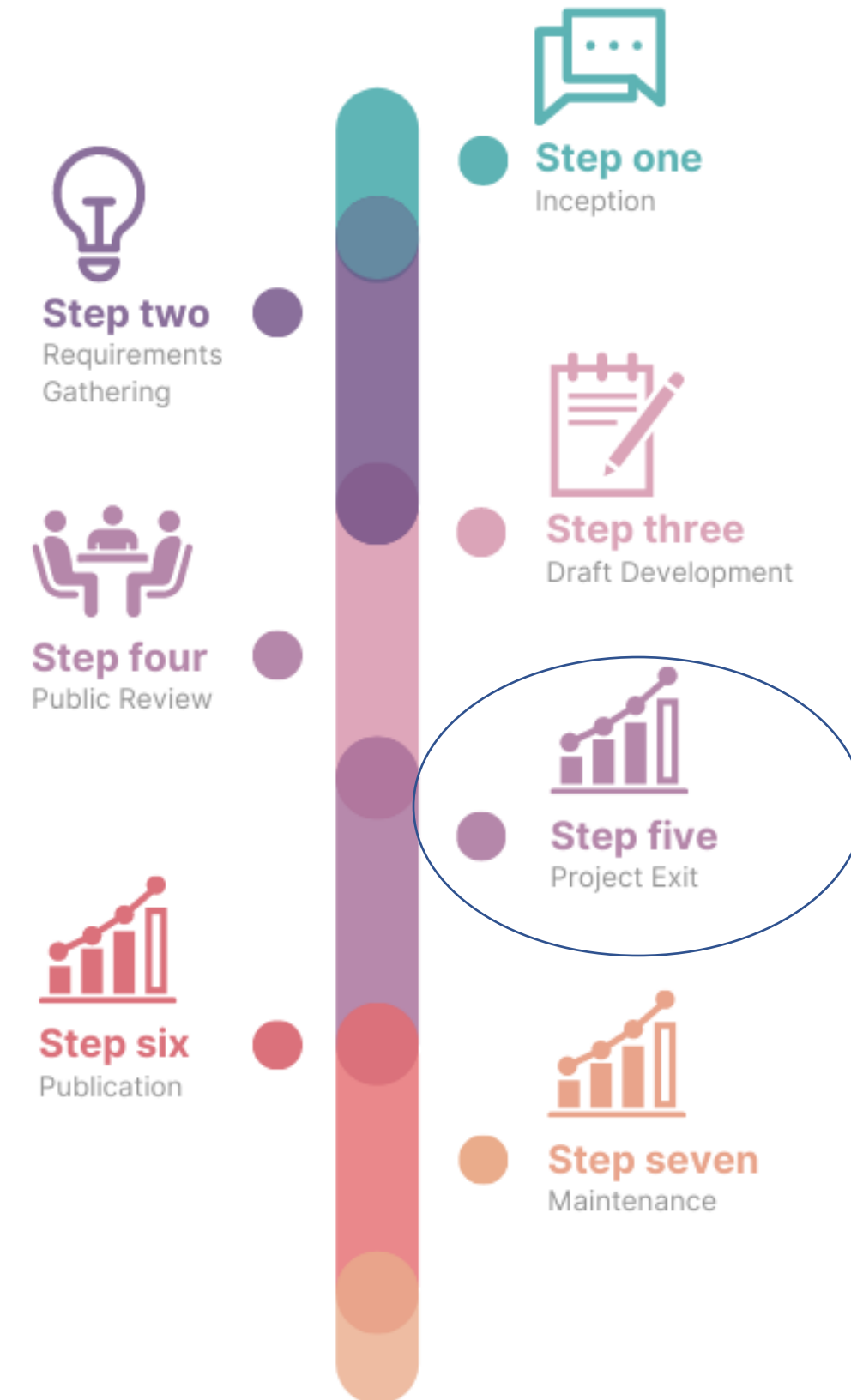
File	Modified
NTFB Recommendation-PublicReview.pdf	Kevin Macdonald BISHOP
NTFB Recommendation public review comment log.docx	Kevin Macdonald BISHOP

UN/CEFACT Open Development Process

Seven-Step Process – Project Exit

5. Project Exit

The project team considers the comments received during the public review and makes any necessary revisions to the draft to provide the final version.



Recommendation on encouraging private sector participation in NTFB
Template for comments and observations

Please return completed templates to Jie Wei at wei@un.org

Date submission:	
Submitted by:	

Please make all comments using this template.
 Please propose suggested changes in order to make the Draft align with your comments (only those with proposed changes can be fully considered).

Ref. (leave blank)	Draft version number	Line numbers	Type of comment ¹	Comments	Proposed changes	Working Group Observations (leave blank)

¹ Types of comments: ge = general; te = technical; le = legal; ed = editorial
 (This document is inspired by the ISO/IEC/CEN/CENELEC electronic balloting commenting template/version 2012-03)

UN/CEFACT – ITP-PDA/TPF Rec on Private Sector Participation in NTFB – P1113

UNITED NATIONS
 CENTRE FOR TRADE FACILITATION AND ELECTRONIC BUSINESS
 (UN/CEFACT)

1 INTERNATIONAL TRADE PROCEDURES PROGRAMME DEVELOPMENT AREA
 2 TRADE PROCEDURES FACILITATION DOMAIN
 3
 4
 5 RECOMMENDATION ON ENCOURAGING PRIVATE SECTOR
 6 PARTICIPATION IN NTFB

SOURCE: Project Team
 ACTION: Public review
 DATE: 22 May 2023
 STATUS: Version 1

Disclaimer (Updated UN/CEFACT Intellectual Property Rights Policy – ECE/TRADE/CEFACT/2010/20/Rev.2)
 ECE draws attention to the possibility that the practice or implementation of its outputs (which include but are not limited to Recommendations, norms, standards, guidelines and technical specifications) may involve the use of a claimed intellectual property right.
 Each output is based on the contributions of participants in the UN/CEFACT process, who have agreed to waive enforcement of their intellectual property rights pursuant to the UN/CEFACT IPR Policy (document ECE/TRADE/CEFACT/2010/20/Rev.2 available at http://www.unecce.org/cefact/cefact_docs.html or from the ECE secretariat). ECE takes no position concerning the evidence, validity or applicability of any claimed intellectual property right or any other right that might be claimed by any third parties related to the implementation of its outputs. ECE makes no representation that it has made any investigation or effort to evaluate any such rights.
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UN/CEFACT Open Development Process

Seven-Step Process – Publication

6. Publication

The final version of the project deliverables are published.




Business Process Analysis - For exports of pharmaceutical products under HS heading 30.3 (Medicaments) and 30.4 from Georgia to the Central Asian countries
18 May 2022 - English
The report provides an overview of the general trade and regulatory context of Georgia and an analysis of the key economic figures of the pharmaceutical sector, such as industry composition and dynamics, and exports. It gives an overview of the country's transport networks and presents key facts of



United Nations E-Business Standards and Tools for Sustainable Agricultural Trade
03 May 2022 - English
This document presents the eQuality Certification system processes and business requirements for Fresh Fruit and Vegetables covered by marketing standards. It provides a high level functional description of the main business processes to be managed by an electronic Conformity Certificate



Digital and Sustainable Trade Facilitation in United Nations Special Programme for the Economies of Central Asia 2021
25 April 2022 - English
The report presents results of the 2021 United Nations Global Survey on Digital and Sustainable Trade Facilitation for six participants in United Nations Special Programme for the Economies of Central Asia (SPECA), namely Afghanistan, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan,



BUSINESS REQUIREMENTS SPECIFICATION (BRS)
BUY – SHIP – PAY Reference Data Model (BSP-RDM)
Approval: UN/CEFACT Bureau on 12 August 2019
Version: 1.0

The objective of this **Buy-Ship-Pay Reference Data Model (BSP-RDM) BRS** is to describe the requirements for a generic Reference Data Model (RDM), generalizing the concepts of the Multi-Modal Transport Reference Data Model (MMT-RDM) and the Supply Chain Reference Data Model (SCRDM), leading to the development, publishing and improving the maintenance of a Business Standard, which can be applied by country and regional administrations and industries.



United Nations Directories for Electronic Data Interchange for Administration, Commerce and Transport
UN/EDIFACT



UN/LOCODE

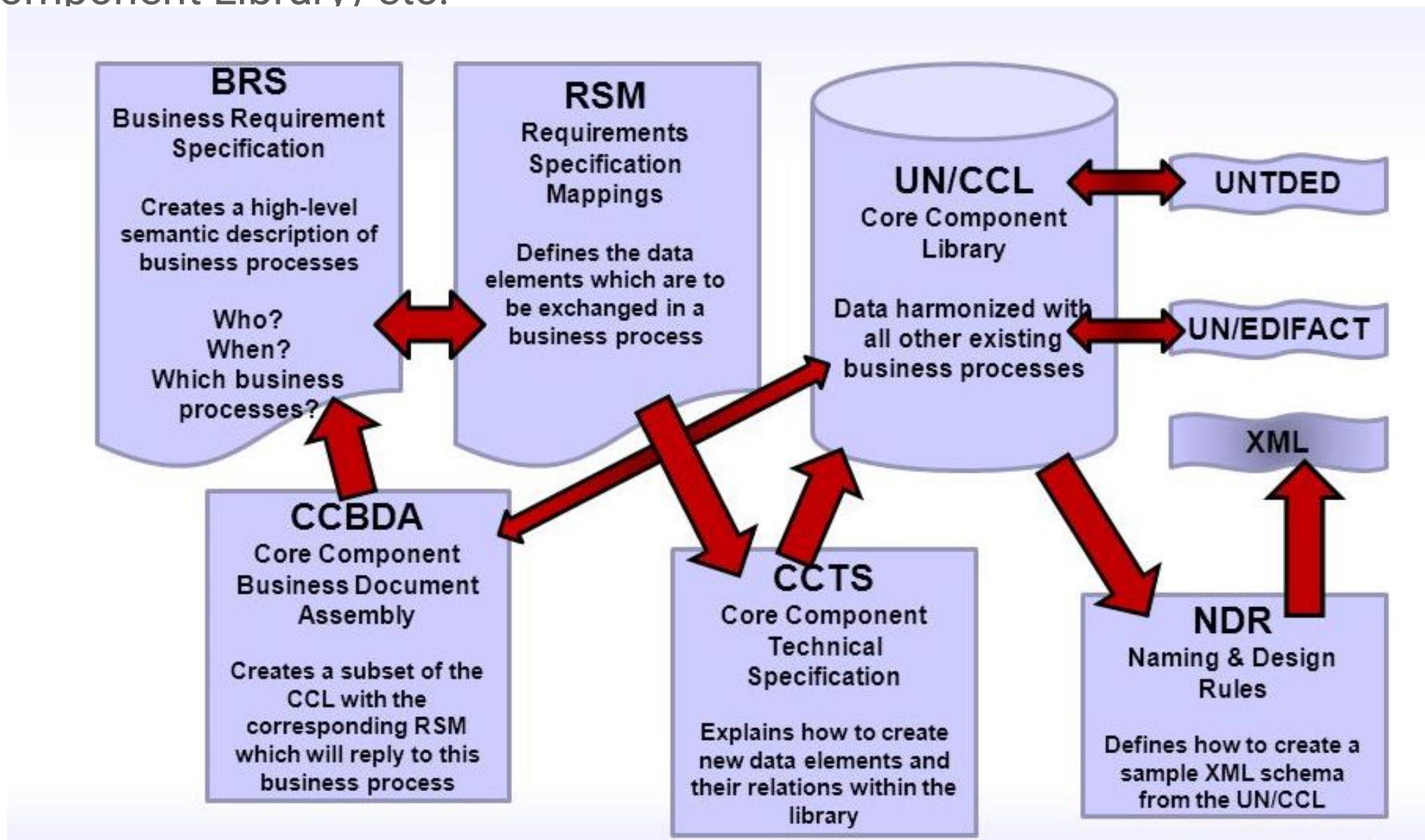


UN/CEFACT Open Development Process

Seven-Step Process – Maintenance

7. Maintenance

Involves periodic reviews of existing standards to ensure that they remain relevant and effective. It may also include the addition on new data elements to the UN/CCL (Core Component Library) etc.



Step two
Requirements
Gathering



Step four
Public Review



Step six
Publication



Step one
Inception



Step three
Draft Development



Step five
Project Exit



Step seven
Maintenance

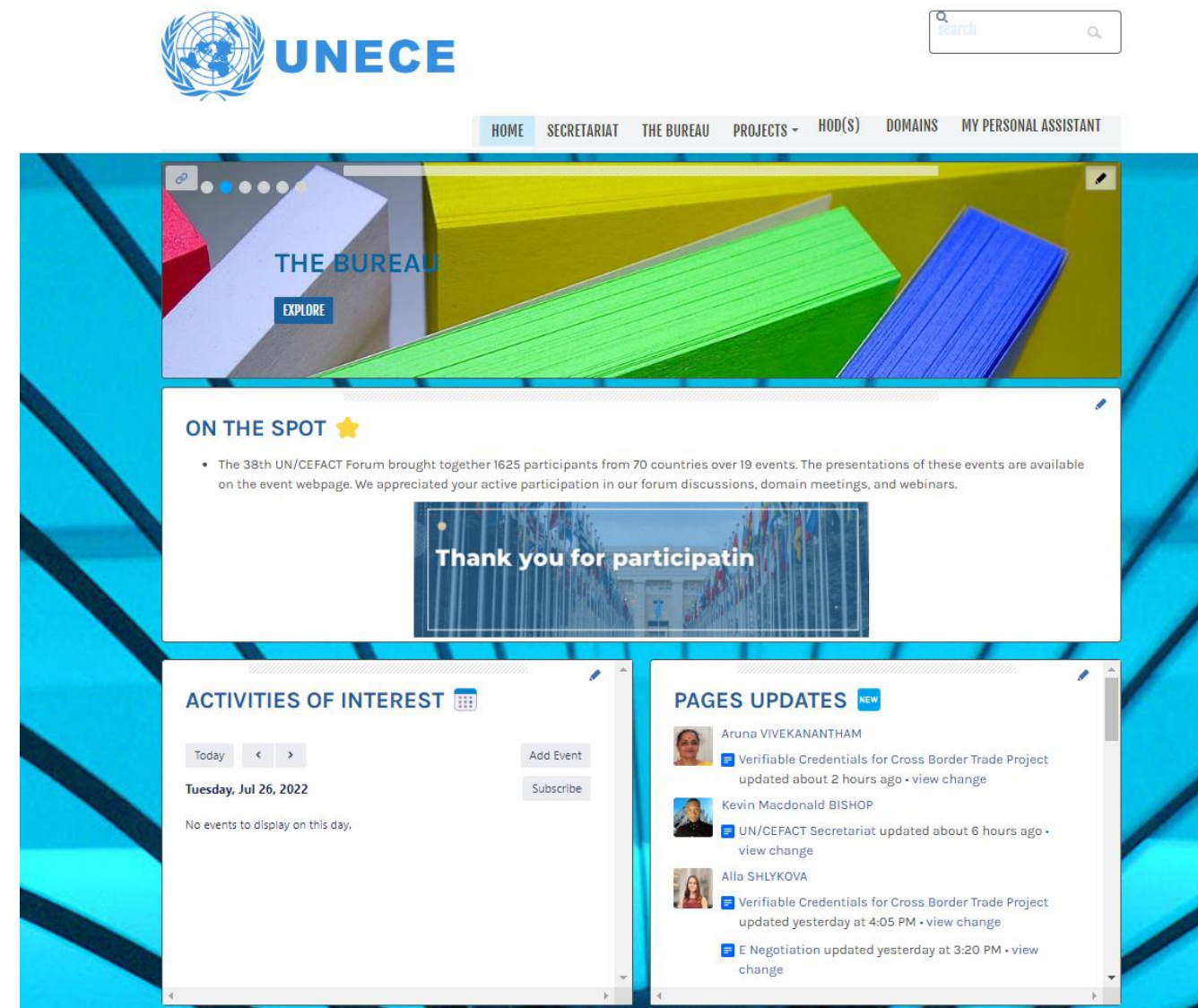
UN/CEFACT deliverables



Publication types for Plenary information or approval

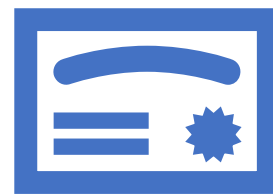
- UNECE Recommendations for approval
- UN/CEFACT Business Standards for information
- UN/CEFACT Technical Standards for information
- UN/CEFACT deliverables for information

Home Page of the Collaborative UN/CEFACT Environment (CUE)
<https://uncefact.unece.org/>



The screenshot shows the UNECE website home page. At the top left is the UNECE logo. To its right is a search bar with the text "Search" and a magnifying glass icon. Below the logo and search bar is a navigation menu with the following items: HOME, SECRETARIAT, THE BUREAU, PROJECTS - HOD(S), DOMAINS, and MY PERSONAL ASSISTANT. The main content area features a large banner image with the text "THE BUREAU" and an "EXPLORE" button. Below the banner is a section titled "ON THE SPOT" with a star icon. It contains a paragraph: "The 38th UN/CEFACT Forum brought together 1625 participants from 70 countries over 19 events. The presentations of these events are available on the event webpage. We appreciated your active participation in our forum discussions, domain meetings, and webinars." Below this text is a smaller image with the text "Thank you for participatin". At the bottom of the page, there are two side-by-side sections: "ACTIVITIES OF INTEREST" and "PAGES UPDATES". The "ACTIVITIES OF INTEREST" section shows the date "Tuesday, Jul 26, 2022" and the text "No events to display on this day." The "PAGES UPDATES" section lists several updates with user avatars and names: Aruna VIVEKANANTHAM, Kevin Macdonald BISHOP, and Alla SHLYKOVA, each followed by a brief description of the update and a "view change" link.

How to Participate



1. Registration

- i. Registering as a UN/CEFACT Expert and Access to the CUE



2. Introduction of Collaborative UN/CEFACT Environment (CUE)

- i. Log-in to the platform
- ii. Project pages etc

How to register as a UN/CEFACT Expert?

<http://www.unece.org/cefact>

www.unece.org/cefact.html

About UNECE | Our work | Themes | Where we work | Open UNECE | Events | Publications | Media

Trade Programme

- UN/CEFACT
- About us
- Domains
- Projects
- Public Reviews
- Outputs
- Meetings and Events
- Publications
- Join UN/CEFACT**
- Policies, Procedures and Terms of Reference
- National Trade Facilitation bodies and NTFB Repository

UN/CEFACT

Serves as the focal point for trade facilitation recommendations and electronic business standards, covering both commercial and government business processes that can foster growth in international trade and related services.

About CEFACT

Within the United Nations framework of the Economic and Social Council, the United Nations Commission for International Trade Law (UNCITRAL) was established as the focal point for trade facilitation and electronic business standards, covering both commercial and government business processes that can foster growth in international trade and related services. In this context, the United Nations Trade Facilitation Centre (UN/CEFACT) was established as the body of the United Nations that achieves improved trade facilitation and electronic business standards relevant to international trade.

UN/CEFACT EXPERT REGISTRATION

CONTACT INFORMATION

Presentation Mr. Ms.

First Name

Last Name

Government Agency or Department / Organization / Institution

Job Title

Address

City

Postal Code

Country

Phone

Email

Collaborative UN/CEFACT Environment

Welcome to CUE, the Collaborative Environment of the United Nations Centre for Trade Facilitation and Electronic Business. A more productive and transparent way to share knowledge and processes across the professional community of UN/CEFACT.

Already a member?
(UNECE Staff can access with its network login/pwd)

[LOGIN HERE](#)

Are you a professional wishing to join us?
(not yet an officially registered UN/CEFACT expert? Register here first)

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[BROWSE THEM](#)

Looking for a Public Review?

[CONTRIBUTE](#)

<https://uncefact.unece.org/display/uncefactpublic/UNCEFACT+Expert+Registration>

Active Projects

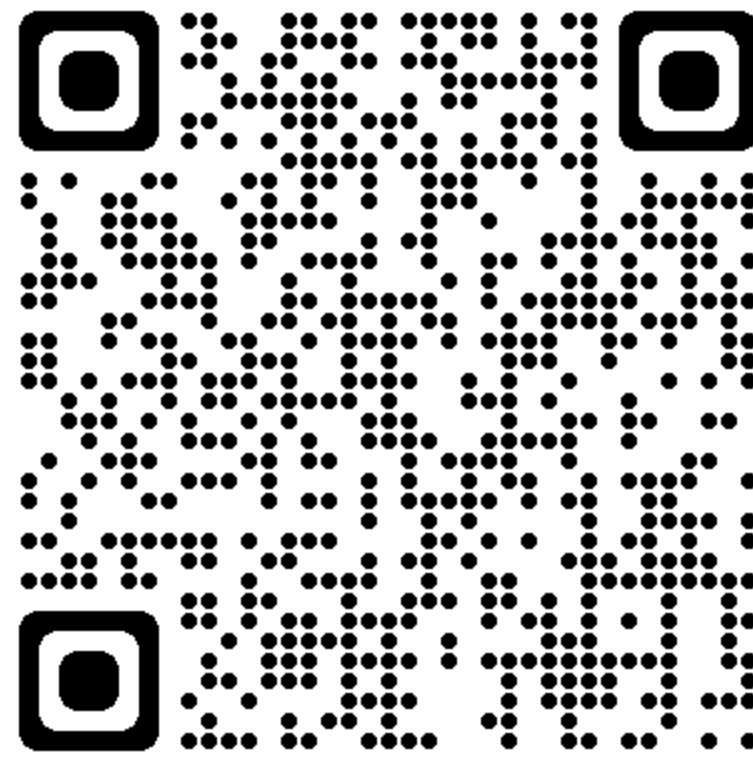
- Business Requirement Specific for Digital Product Conformity Certificate Exchange
- Digitalization Transit Accompanying Documents
- GeoFencing Facilities
- Parcel Goods Traceability in Last-mile Delivery
- Cross Border Inter-ledger Exchange for Preferential CoO Using Blockchain
- UN/CEFACT Chain Project
- Digital Identity Standardization for Trade Facilitation
- Transparency at Scale Digital Solutions for Trust, Resilience and Sustainability: Verifiable Credentials in Supply Chains
- Circular Economy Reference Data Model
- Critical Minerals Traceability and Sustainability



Thank you for your attention!



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<https://unece.org/trade/uncefact>

For any questions, contact the secretariat via email yan.zhang1@un.org