

Tools for Trade Digitalization: Cross-Border Paperless Trade Database



Mr. Silvère DERNOUH

silvere.dernouh@un.org

Digital Trade Expert

Trade Policy and Facilitation Section

Trade, Investment and Innovation Division

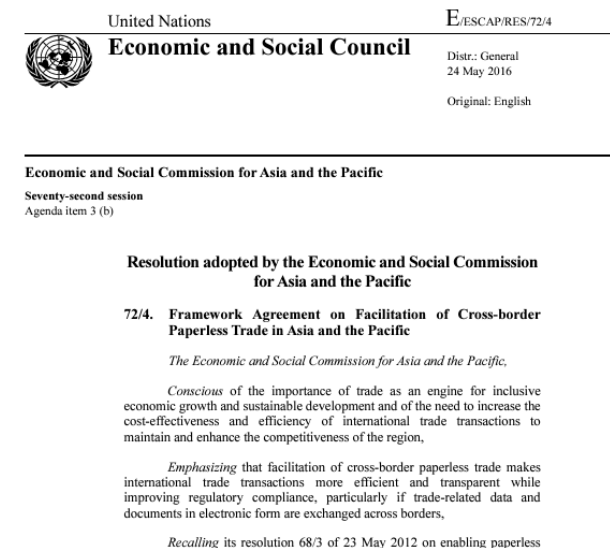
digitalizetrade.org



Framework Agreement on Facilitation of Cross-border Paperless Trade in Asia and the Pacific (CPTA)

In line with its mandate to support trade facilitation and promote cross-border paperless trade, ESCAP & the International Chamber Commerce have created a Cross-border paperless Trade Database, as included in the road map for the implementation of the provisions listed in the Framework Agreement on Facilitation of Cross-border Paperless Trade in Asia and the Pacific.

www.unescap.org/projects/cpta

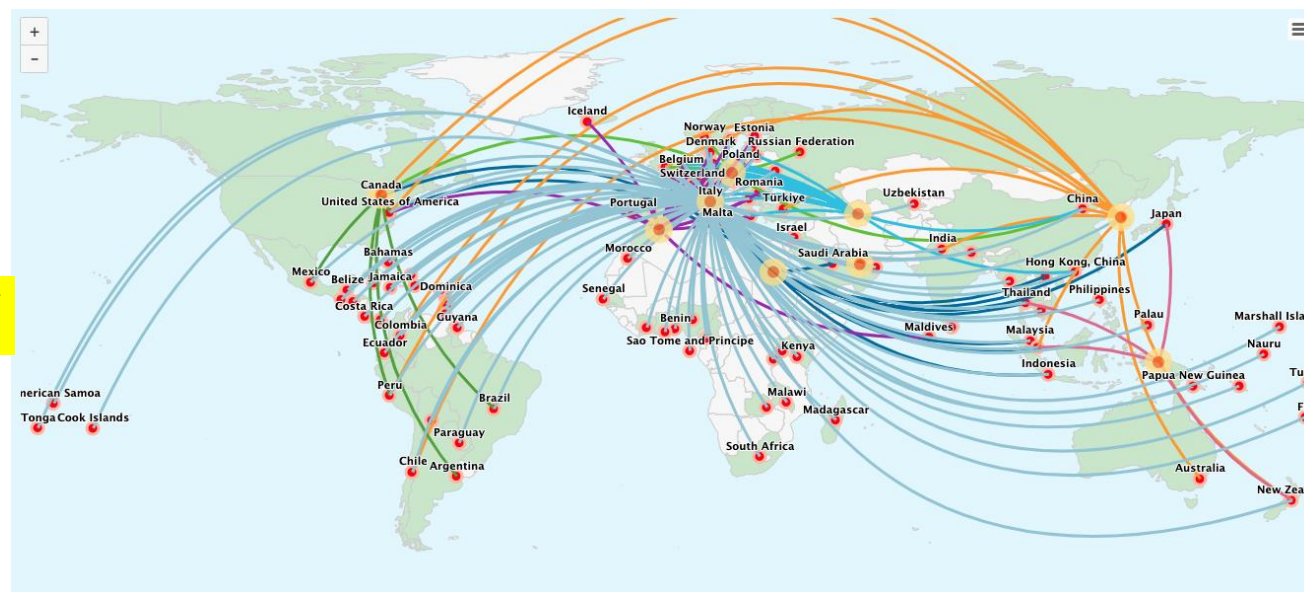


Cross-Border Paperless Trade Database : Objectives

To contribute to the advancement of best practices, standards & innovations on cross-border paperless trade.

1. To facilitate the sharing of knowledge and expertise gained from previous and on-going **projects and services** on cross-border trade digitalization with experts, international organizations, and stakeholders from private and public sectors.

2. To list all the **legal instruments** available to countries to support the development and harmonization of legal frameworks in all countries to accelerate the implementation of TF measures and reduce trade costs



3. To cover the specific **implementation instruments** of different nature used to implement trade facilitation measures, in particular international standards, industry-specific standards, technical recommendations, proprietary systems, etc.

Projects Interactive Map

Search:

Coverage:

- Any -

Status:

- Any -

Business Category:

- Any -

Apply Clear

Region involved:

- Any -

Country/Economy involved:

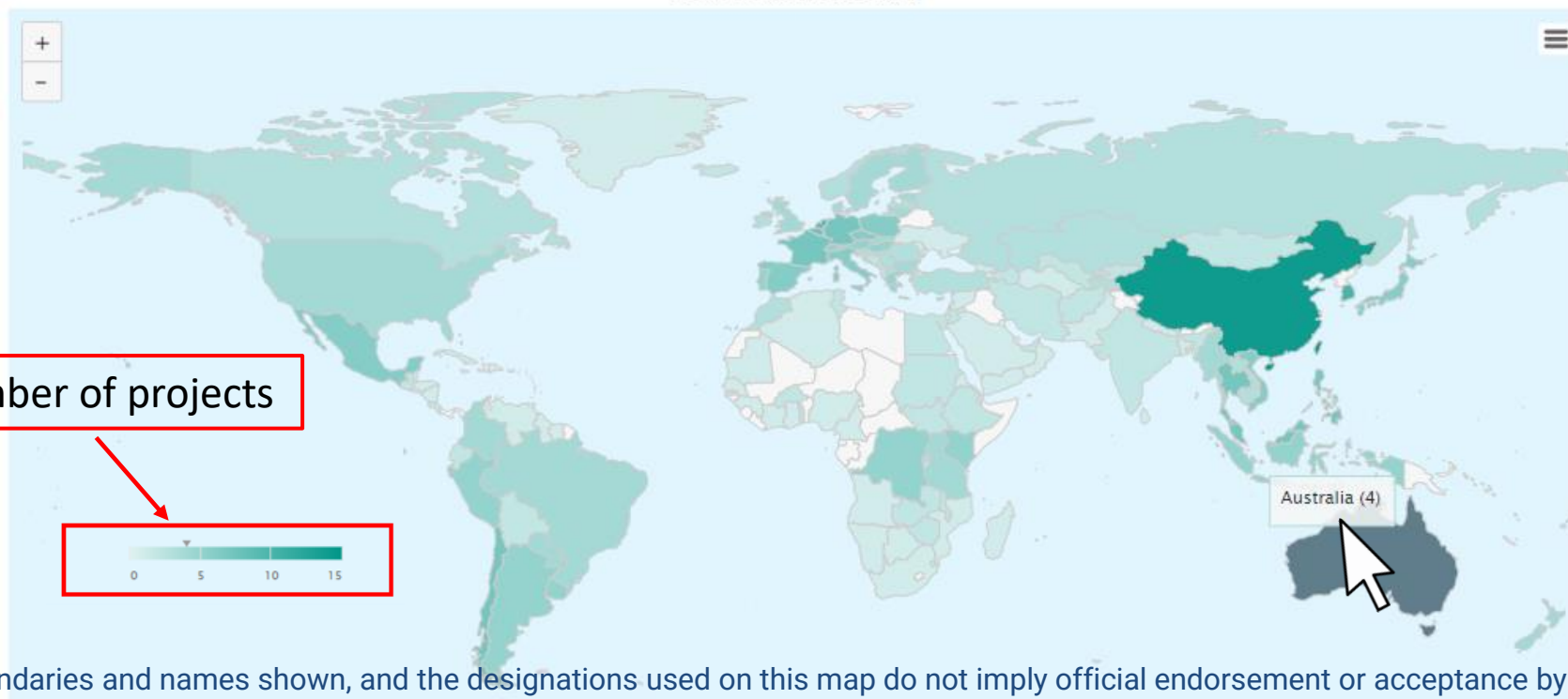
- Any -

[Advanced search](#)

Total number: 62 project(s).

☐ Switch to text (project list)

Projects Interactive Map



Operating project
Pilot project
Terminated project

Commercial transactions
Forwarding and Cargo handling
Transport, Insurance

Countries

Global project
Regional project
Bilateral project

Europe
Asia – Pacific
North America
Latin America
Africa

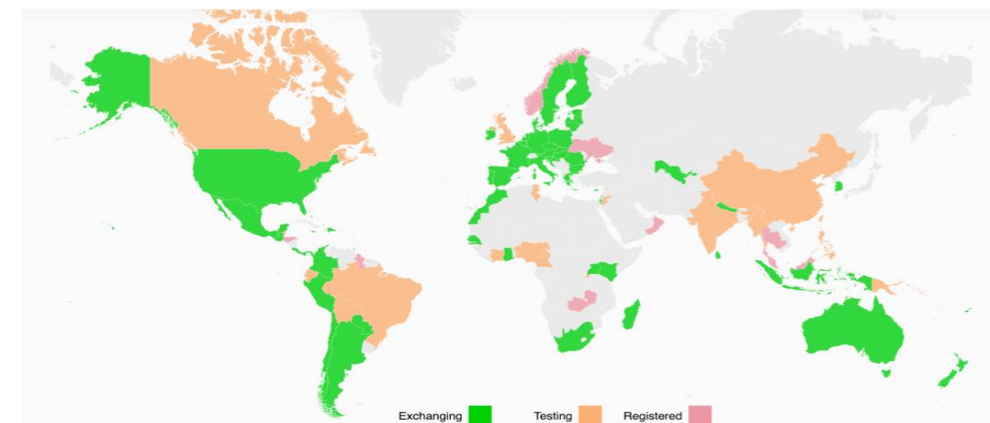
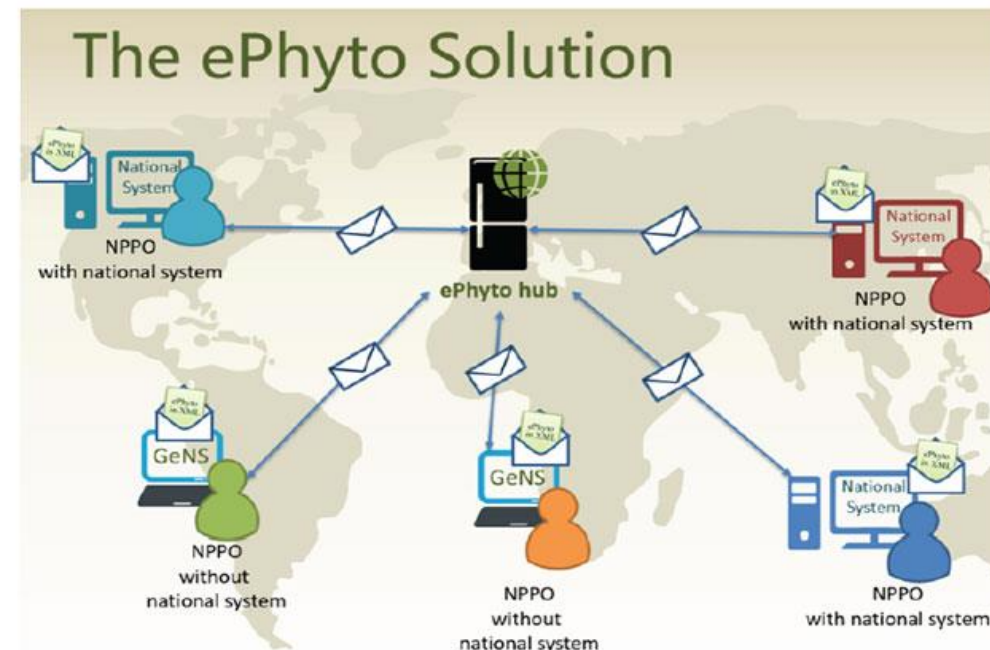
Disclaimer: boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations

Thailand - Indonesia - Philippines ePhyto pilot

This pilot project aims to promote cross-border exchange of electronic Phytosanitary (e-Phyto) certificates. Indonesia and Thailand are exchanging e-Phyto certificates since December 2022. Moreover, **on June 10, 2024, Indonesia and The Philippines have successfully conducted the exchange of electronic phytosanitary (e-Phyto) certificates.**

By actively participating in this initiative, ASEAN Member States contribute to streamlining subregional trade operations and promoting efficient cross-border trade in the region. Tests are ongoing with some other ASEAN Member states for other live operations of e-Phyto certificates.

Source: <https://www.digitalizetrade.org/projects/thailand-indonesia-philippines-ephyto-pilot>



Singapore and National bank of Cambodia - Financial Transparency Corridor (FTC)

Started in July 2023, this project aims to establish supporting digital infrastructures **to facilitate trade and cross-border related financial services between small and medium-sized enterprises (SMEs) in Singapore and Cambodia.** The supporting digital infrastructures under the FTC initiative aims to:

1. Establish a consent-based digital infrastructure to facilitate information exchange between participating financial institutions in Singapore and Cambodia, to support the provision of cross-border financial services to SMEs.
2. Support financial institutions' loan assessments for trade financing and an SME's compliance with anti-money laundering rules to mitigate risks and potential trade disputes.



ធនាគារជាតិនៃកម្ពុជា
NATIONAL BANK OF CAMBODIA
Riel. Stability. Development.



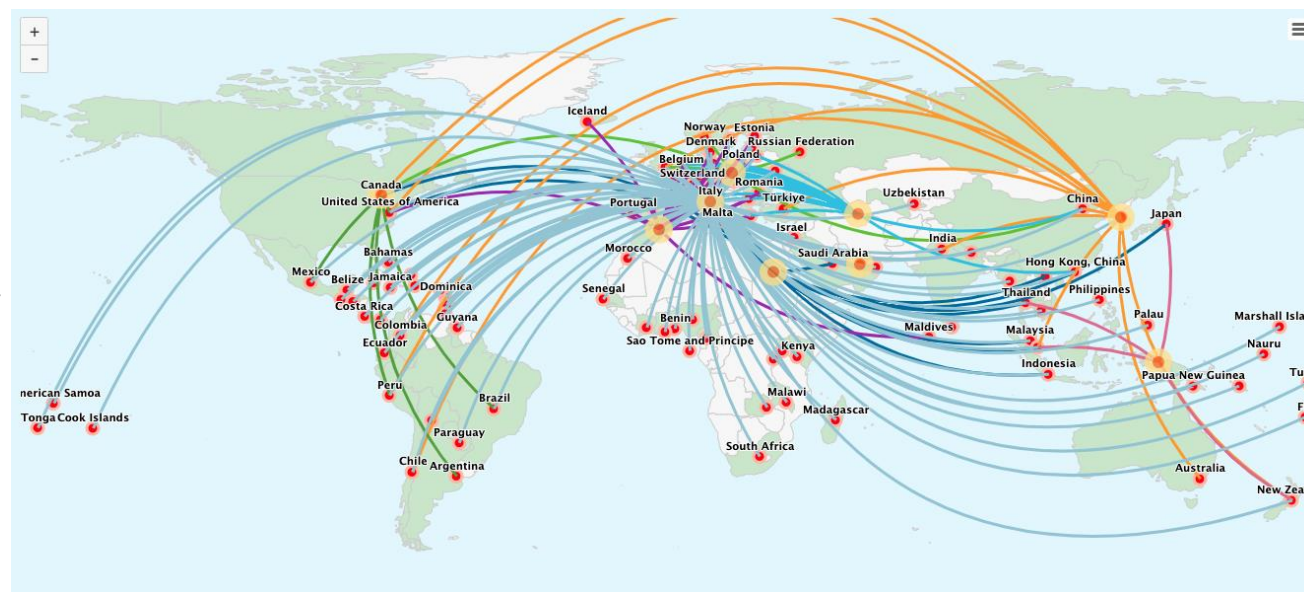
Source: <https://www.digitalizetrade.org/projects/singapore-and-national-bank-cambodia-financial-transparency-corridor-ftc>

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[Home](#)[Projects](#)[Services](#)[Submit](#)[Legal Instruments](#)[Implementation Instruments](#)[Readiness Assessment](#)[Glossary](#)[About](#)

Legal Instruments

Treaties / Conventions
Digital Economy Agreements
Regional Trade Agreements
Protocols / MoU.....

Commercial processes
Transport processes
Border & Regulatory processes
Financial processes

Geographical coverage: ▼

Legal nature: ▼

Trade process: ▼

Trade document: ▼

Global
Regional
Other

50 legal instrument(s) found.

Convention on the Contract for the International Carriage of Goods by Road (CMR...)

19 May 1956

The Convention on the Contract for the International Carriage of Goods by Road (CMR) aims to harmonize international road transport rules by...

Treaties/Conventions

United Nations (UN) Convention on the Use of Electronic Communications in...

23 November 2005

The United Nations Convention on the Use of Electronic Communications in International Contracts aims to facilitate electronic communications in...

Treaties/Conventions

International Convention on the Harmonization of Frontier Controls of Goods

10 January 1982

The International Convention on the Harmonization of Frontier Controls of Goods aims to facilitate international trade by reducing formalities and...

Treaties/Conventions

United Nations (UNCITRAL) Model Law on...

13 July 2017

The UNCITRAL Model Law on Electronic Transferable Records (MLETR) aims to enable legal recognition and use of electronic transferable records both...

Model Laws/Legal standards

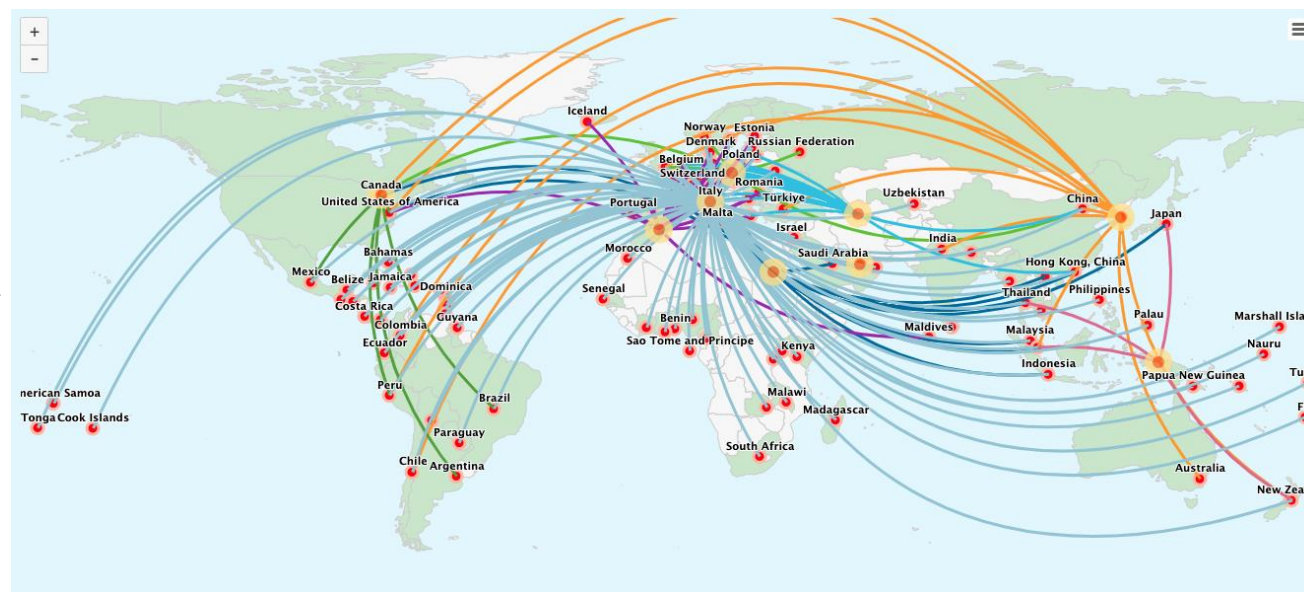
Bill of Lading
Customs Declaration
Air Cargo Manifest....

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International standard
 Industry-specific standard
 Technical recommendations
 Proprietary solution

Implementation Instruments

To facilitate cross-border paperless trade, the exchange and mutual recognition of trade-related data and documents play a key role. One of the challenges faced by countries in achieving this objective is the implementation of common international standards which is essential to harmonize trade practices and increase trade exchange between countries.

Geographical scope:

- Any -

Standard nature:

- Any -

Search:

Apply

International
 Regional
 Bilateral
 National

Title	Geographical Scope	Standard Nature
UN/CEFACT XML Naming and Design Rules Technical Specification Version 3.0	International	International standard
exXML Collaboration-Protocol Profile and Agreement Specification Version 2.0	International	International standard
Web Services Reliable Messaging (WS-ReliableMessaging) Version 1.1	International	International standard
Web Services Business Process Execution Language Version 2.0	International	International standard
UN Trade Data Element Directory (TD ED ISO7372)	International	International standard
UNNExT Guide on Information Management in Agrifood Chains: Towards and Integrated Paperless Framework for Agrifood Trade Facilitation	International	Other

UNCITRAL Model Law on Electronic Transferable Records Tracker (MLETR)

By a resolution adopted by the General Assembly in 2017

The Model Law on Electronic Transferable Records (MLETR) aims to **enable the legal use of electronic transferable records both domestically and across borders**. The MLETR applies to electronic transferable records that are functionally equivalent to transferable documents or instruments. Transferable documents or instruments typically include bills of lading, bills of exchange, promissory notes and warehouse receipts (source: [UNCITRAL](#)).

8 stages have been identified to track the adoption of the MLETR:

STAGE	TERM	DEFINITION
1	MLETR SOCIALISATION	MLETR information has been conveyed and socialised with relevant policymakers within the government and ownership of MLETR as an issue has been established within the government
2	POLITICAL SUPPORT	Jurisdiction has committed to adopt or align to MLETR through (i) public statements; (ii) political declarations (e.g. G20 communiqués, G7 ministerial statements etc.); or (iii) trade agreements
3	DOMESTIC ANALYSIS	Jurisdiction has been identified gaps in legal frameworks relevant to electronic transferable records
4	READINESS ASSESSMENT	Jurisdiction has undertaken or received through technical assistance an assessment of laws requiring amendment
5	STAKEHOLDER CONSULTATION	Jurisdiction has consulted with stakeholders, including industry
6	LEGISLATIVE DRAFTING	Jurisdiction has drafted legislation to adopt or align to MLETR
7	PASSAGE OF LEGISLATION	Draft legislation has passed through relevant parliamentary or executive processes to become law
8	ENTRY INTO FORCE	Relevant law has entered into force

The MLETR Tracker measures the progress made by countries in complying with this model by using these 8 stages

UNCITRAL Model Law on Electronic Transferable Records Tracker (MLETR Tracker)

MLETR Tracker

Region/Group:

- Any -
- Any -
 - Asia and the Pacific
 - Europe
 - Western Asia
 - Latin America and the Caribbean
 - Africa
 - ASEAN
 - G20

Stage/Term:

- Any -
- Any -
 - 1 MLETR Socialisation
 - 2 Political Support
 - 3 Domestic Analysis
 - 4 Readiness Assessment
 - 5 Stakeholder Consultation
 - 6 Legislative Drafting
 - 7 Passage of Legislation
 - 8 Entry Into Force

Apply Clear

Papua New Guinea¹

1	2	3	4	5	6	7	8
MLETR Socialisation	Political Support	Domestic Analysis	Readiness Assessment	Stakeholder Consultation	Legislative Drafting	Passage of Legislation	Entry Into Force
✓	✓	✓	✓	✓	✓	✓	✓

Notes:

¹ The country has adopted legislation based on UNCITRAL texts enabling the issuance of some or all ETR.

[More...](#)

Papua New Guinea
MLETR8: Entry Into Force
MLETR Compatible

MLETR Stage

0 1 2 3 4 5 6 7 8

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Key Trade Documents and Data Elements (KTDDE)

To list all data elements to comply with the MLETR, ICC Digital Standards Initiative's Key Trade Document and Data Elements (KTDDE) Working Group **promotes the interoperability of the digital representation of key trade documents and the definitions of their data elements**. To produce the KTDDE, the working group focused on two points: a key trade data glossary and a key documents analysis.

[Data Elements](#)
[Trade Documents](#)

Key Trade Documents



- | | |
|---|---|
| <input type="checkbox"/> Non-preferential Certificate of Origin (CoO) | <input type="checkbox"/> Ship's Delivery Order (SDO) |
| <input type="checkbox"/> Commercial Invoice (INV) | <input type="checkbox"/> Shipper's Letter of Instructions (SLI) |
| <input type="checkbox"/> Warehouse Receipt (WR) | <input type="checkbox"/> Sea Cargo Manifest (SCM) |
| <input type="checkbox"/> Packing List (PL) | <input type="checkbox"/> Sea Waybill (SW) |
| <input checked="" type="checkbox"/> Bill of Lading (BoL) | <input type="checkbox"/> Air Waybill (AW) |
| <input type="checkbox"/> Customs Declaration (CD) | <input type="checkbox"/> Air Cargo Manifest (ACM) |
| <input type="checkbox"/> Cargo Insurance Document (CID) | <input type="checkbox"/> Customs Bond (CB) |
| <input type="checkbox"/> Purchase Order (PO) | <input type="checkbox"/> Letter of Credit (LC) |
| <input type="checkbox"/> Road Consignment Note (CMR) | <input type="checkbox"/> Bill of Exchange (BoE) |
| <input type="checkbox"/> Rail Consignment Note (CIM) | <input type="checkbox"/> Promissory Note (PN) |
| | <input type="checkbox"/> Payment Confirmation (PC) |

[Process](#)
[Data Elements](#)
[Trade Documents](#)

References

- | | |
|--|--|
| <input type="checkbox"/> Transport Contract Document / Bill of Lading number | <input type="checkbox"/> Freight Forwarder reference number |
| <input type="checkbox"/> Invoice number | <input type="checkbox"/> House waybill document identifier |
| <input type="checkbox"/> Contract number | <input type="checkbox"/> Purchase Order number |
| <input type="checkbox"/> Booking reference number | <input type="checkbox"/> Unique Consignment Reference (UCR) |
| <input type="checkbox"/> Document Identifier | <input type="checkbox"/> Certificate of origin number |
| <input type="checkbox"/> Documentary credit identifier | <input type="checkbox"/> Customs Declaration Document, Trader Assigned |
| | <input type="checkbox"/> Insurance policy number |

Dates

- | | |
|--|---|
| <input type="checkbox"/> Issue date | <input type="checkbox"/> Documentary credit document effective end date |
| <input type="checkbox"/> Actual arrival date | <input type="checkbox"/> Documentary credit document issue date |
| <input type="checkbox"/> Estimated time of departure | <input type="checkbox"/> Delivery date |
| <input type="checkbox"/> Estimated time of arrival | <input type="checkbox"/> Despatch date |
| <input type="checkbox"/> Payment due date | <input type="checkbox"/> Invoice date |
| <input type="checkbox"/> Actual departure date | <input type="checkbox"/> Latest pick-up date |
| <input type="checkbox"/> Consignment loading date | <input type="checkbox"/> Order date |

Parties, addresses, places, countries

- | | |
|--|---|
| <input type="checkbox"/> Consignee | <input type="checkbox"/> Payee |
| <input type="checkbox"/> Buyer | <input type="checkbox"/> Seller's bank |
| <input type="checkbox"/> Consignor | <input type="checkbox"/> Ship to / Delivery Party |
| <input type="checkbox"/> Carrier (Transport Services Provider) | <input type="checkbox"/> Buyer's bank |
| <input type="checkbox"/> Notify party | <input type="checkbox"/> Despatch Party |
| <input type="checkbox"/> Importer | <input type="checkbox"/> Documentary Credit Applicant |
| <input type="checkbox"/> Seller | <input type="checkbox"/> Documentary Credit Drawee. |
| <input type="checkbox"/> Exporter | <input type="checkbox"/> Drawee |
| <input type="checkbox"/> Invoicee | <input type="checkbox"/> Insured party |
| <input type="checkbox"/> Freight Forwarder | <input type="checkbox"/> Warehouse |
| <input type="checkbox"/> Documentary Credit Applicant Agent Bank | <input type="checkbox"/> Consignment route |
| <input type="checkbox"/> Documentary Credit Available Bank. | <input type="checkbox"/> Customs office of entry |
| <input type="checkbox"/> Documentary Credit Beneficiary | <input type="checkbox"/> Freight payer |
| <input type="checkbox"/> Documentary Credit Reimbursing Bank | <input type="checkbox"/> Seller's bank account number |
| <input type="checkbox"/> Insurance company | <input type="checkbox"/> Warehouse depositor |
| <input type="checkbox"/> Issuer / Drawer | <input type="checkbox"/> Warehouse keeper |

Locations

- | | |
|--|--|
| <input type="checkbox"/> Place of the delivery of the goods (by the carrier) | <input type="checkbox"/> Exportation country |
|--|--|

Unique identification number (UID) of the data element specified in the Key Trade Doc.

Key Trade Documents and Data Elements (KTDDE)

Key Trade Data Glossary, example with a Bill of Lading:

Data elements
To include in
the key trade
document

Data element	UID	Description TDED	Count	M	O	C	BoL
References							
Document Identifier	1004	Reference number identifying a specific document	1	1	0	0	M
Booking reference number	1016	Reference number assigned by a carrier or its agent to identify a specific consignment such as a booking reference number when cargo space is reserved prior to loading	1	0	1	0	O
House waybill document identifier	1039	Reference number to identify a house waybill	1	0	1	0	O
Transport Contract Document / Bill of Lading number	1188	Reference number to identify a document evidencing a transport contract	1	0	1	0	O
Contract number	1296	Identifier of a contract concluded between parties such as between buyer and seller	1	1	0	0	M
Freight Forwarder reference number	1460	Reference number assigned by the freight forwarder to identify a particular consignment	1	0	1	0	O
Dates							
Issue date	2007	Date that a document was issued and when appropriate, signed or otherwise authenticated	1	1	0	0	M
Actual arrival date	2107	Date and or time of the arrival of means of transport.	1	0	1	0	O
Estimated time of departure	2195	Date and or time when a transport means is scheduled to depart	1	0	1	0	O

Description of the
Data element

Mandatory
Optional
Conditional



Thank you

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