

Trade - Adapting to present and future challenges

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COVID-19 HAS CHANGED BUSINESSES GLOBALLY

Lockdowns and supply-chain breakdowns have introduced new challenges for all countries' businesses

Can we be sure of who we are trading with if we cannot meet them? Can we still send invoices overseas and make payment? Can we continue selling products and make deliveries to overseas clients?



What about physical trade documentation for bank loans and trade financing?











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WHOLE-OF-GOVERNMENT (WOG) EFFORT



THE NEED FOR A DIALOGUE BETWEEN COUNTRIES

Capturing Different Needs

With the global digitalization of businesses and products, trade, and the economy at large, is evolving.



New technologies transforming trade & supply chains



Data flows underpin the digital economy

Increased pervasiveness of eCommerce

Synchronised Rules

- WTO JSI plays important role in developing international rules to deal new developments and challenges in trade from digitalisation
- Push to facilitate cross border paperless trade
- Areas for JSI to consider: connecting National Single Windows, harmonizing data standards for trade documents, recognizing electronic trade documentation e.g. Bills of lading







What is working in Singapore?



SINGAPORE'S NETWORKED TRADE PLATFORM

- Singapore pioneered the submission of electronic trade documentation to Customs with **TradeNet** our national single window launched in 1989
- National Trade Platform launched in 2018 and is shifting from a traditional national single window for regulatory transactions, to a one-stop interface, allowing traders to interact with business partners, stakeholders and regulators on trade related transactions
- This helps companies raise productivity, boost competitiveness, and uncover new opportunities
- A key challenge remains how to enable cross border transaction and submission of trade documents ?





What is next?



MOVING BEYOND WITH TRADETRUST: B2B AND B2G INTEROPERABILITY WITH LEGALLY-BACKED TITLE TRANSFER

Inefficient Processes

Trade Digitalisation

TradeTrust provides an easy way to convert hardcopy trade documents into digitally-signed assets that are compliant to MLETR requirements



Fragmented Systems

Trusted Interoperability

TradeTrust is designed to support the following:

- 1. Working in harmony with the paper-based process by facilitating the seamless transition from paper to digital and vice versa along different parties of the value chain to cater to different degree of digital readiness
- 2. Working in harmony with different blockchain technologies like Hyperledger, Quorum and R3 Corda by connecting them to a common public blockchain







TradeTrust is a digital utility that comprises a set of globally-accepted standards and frameworks that connects governments and businesses to a public blockchain to enable trusted interoperability and exchanges of electronic trade documents across digital platforms





TradeTrust Design Principles





THE TRADETRUST FRAMEWORK

A set of Governance & Legal Frameworks, Protocol Standards, and Infrastructure to facilitate exchange of trusted digital documents **Business-led** Digital Ecosystems Co-Development Enterprise Adoption & Digitalisation Finance Logistics Insurance ... **Commercial Applications/Platforms/Ecosystems Govt-led Cross-border Recognition TradeTrust Framework** (Standards, Semantics, Legal) United Nations ESCAP **Domain Specific Standards Development** To legally recognise cross-border digital documents (e.g. eBL, eCO, eInvoice, etc) through bilateral G2G **Standards Devt** recognition · To enable system interoperabily of trusted digital iso documents exchange through standards **Cross-domain Interoperable Framework TradeTrust Digital Infrastructure** Blockchain gateway that allows business apps to consume blockchain services through **Technical Infrastructure** standardized APIs, achieving decoupling that eases the burden on them of enhancement and maintenance while blockchain technologies evolve. To be published as open source for ease of industry adoption and for further enhancements by the open source community National Single Window (NTP) To contribute as reference implementation to standards bodies to support standards development and accelerate TradeTrust usage



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TRADETRUST TECHNOLOGY STACK



An illustrative example of a potential inter-operability scenario



Inter-operability of Digital Negotiable Instruments



JAN 2020 MOI TO FURTHER DIGITALISATION IN TRADE







1) Join us to co-create TradeTrust Proofs of Value

If you're from:

- a) Shipping lines
- b) Shippers/Consignees
- c) Logistics Service Providers
- d) Financial Institutions providing Trade Financing Service
- e) Govt Authorities involved in cross-border matters

2) Incorporate TradeTrust code into your Applications

If you're from: Tech Companies

Platform Providers

Source code and documentation available to download at https://docs.tradetrust.io

For more info, contact us at:

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THANK YOU



