FEASIBILITY STUDIES ON CROSS-BORDER PAPERLESS TRADE

Lessons learned from conducting feasibility studies in 4 countries

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Current status

	Bangladesh	Bhutan	Nepal	Timor-Lester
Legal Base	△	△	△	△
Trade (Transit)	△ *Mainly sea transport* *Transit (India)*	○ *Transit (India)*	○ *Transit (India)*	X *Domestic Transit*
Paperless Procedure	• △ (*Customs operations)* • △ (*Port operations)*	• △ (*Customs operations)*	• △ (*Customs operations)*	• ○ (*Customs operations)* • △ (*Port operations)*
IT (Trade and Customs)	• *ASYCUDA World*	• *BACS* • *eCMS (new Customs system) will launch in 2023*	• *NECAS (ASYCUDA World)*	• *ASYCUDA World*
National Single Window	• *BSW (2030)* • *Plans to connect to OGAs*	• *BTFN (1st phase)* • *Connects to OGAs*	• *NNSW (implementation in progress)* • *Connects to OGAs*	• *TileSW (ASYCUDA World)* • *Connects to OGAs*
Standard	• *EDI, IATA XML* • *WCO DM V3.6*	• *WCO DM V3.6*	• *EDI, IATA XML* • *WCO DM V3.4*	• *EDI, IATA XML* • *WCO DM V3.0*

Ⅰ. Lessons learned from conducting feasibility studies

Requirements from national feasibility studies

- Still use paper documents in Customs operation, so they are willing to transform into paperless operations using e-documents
- Willing to exchange e-data with neighbouring and trade partner countries to enhance interoperability, trade transparency, and work efficiency
- Expansion of the scope of information sharing (exchange) through NSW
- Realization of a one-stop service through National Single Window
- Introducing emerging technologies and conducting capacity building for effective utilization of emerging technologies for the relevant agencies and stakeholders
- Capacity building regarding implementation issues

I . Lessons learned from conducting feasibility studies

Lessons learned from national feasibility studies

- Establishing or revising the related law (regulations)
- Establishing or extending the Agreement with neighbouring and trade partner countries
- Constructing or upgrading the related information system based on the established national master plan
- Moving towards e-data exchanging for cross-border paperless trade through a sub-regional Task-Force
- Capacity building for implementation issues and technical matters

Ⅱ. Recommendation of system for electronic data exchange

The list of potential target Documents

Document Name	Bangladesh	Bhutan	Nepal	Timor-Leste
Pre-arrival information	○	○	○	○
Certificate of Origin	○	○	○	○
Customs Declaration	○			○
Cargo Manifest	○	○	○	○
Dangerous Goods Information	○		○	○
Customs Transit Declaration	○		○	
Invoice	○	○	○	
Bill of Lading	○	○	○	
Export/Import permit				○
Certificate	○ **Phytosanitary Certificate** **CITES certificate** Test reports from accredited laboratories **SPS certificate** **Food safety reports**	○ **Phytosanitary Certificate**	○ **Phytosanitary Certificate** **SPS certificate**	○

Ⅱ. Recommendation of system for electronic data exchange

The list of potential target systems

	Bangladesh	Bhutan	Nepal	Timor-Lester
Customs System	ASYCUDA World	BACS/eCMS (October 2023)	NECAS	ASYCUDA World Customs Portal
National Single Window	BSW (Bangladesh Single Window) (Plan to launch on 2030)	BTFN (Bhutan Trade Fin Network) (1st phase)	NNSW (Nepal National Single Window) (1st phase, 2nd and 3rd in progress)	TileSW (Timor-Leste National Single Window)
Others	WEB Portal			Trade Information Portal

Ⅱ. Recommendation of system for electronic data exchange

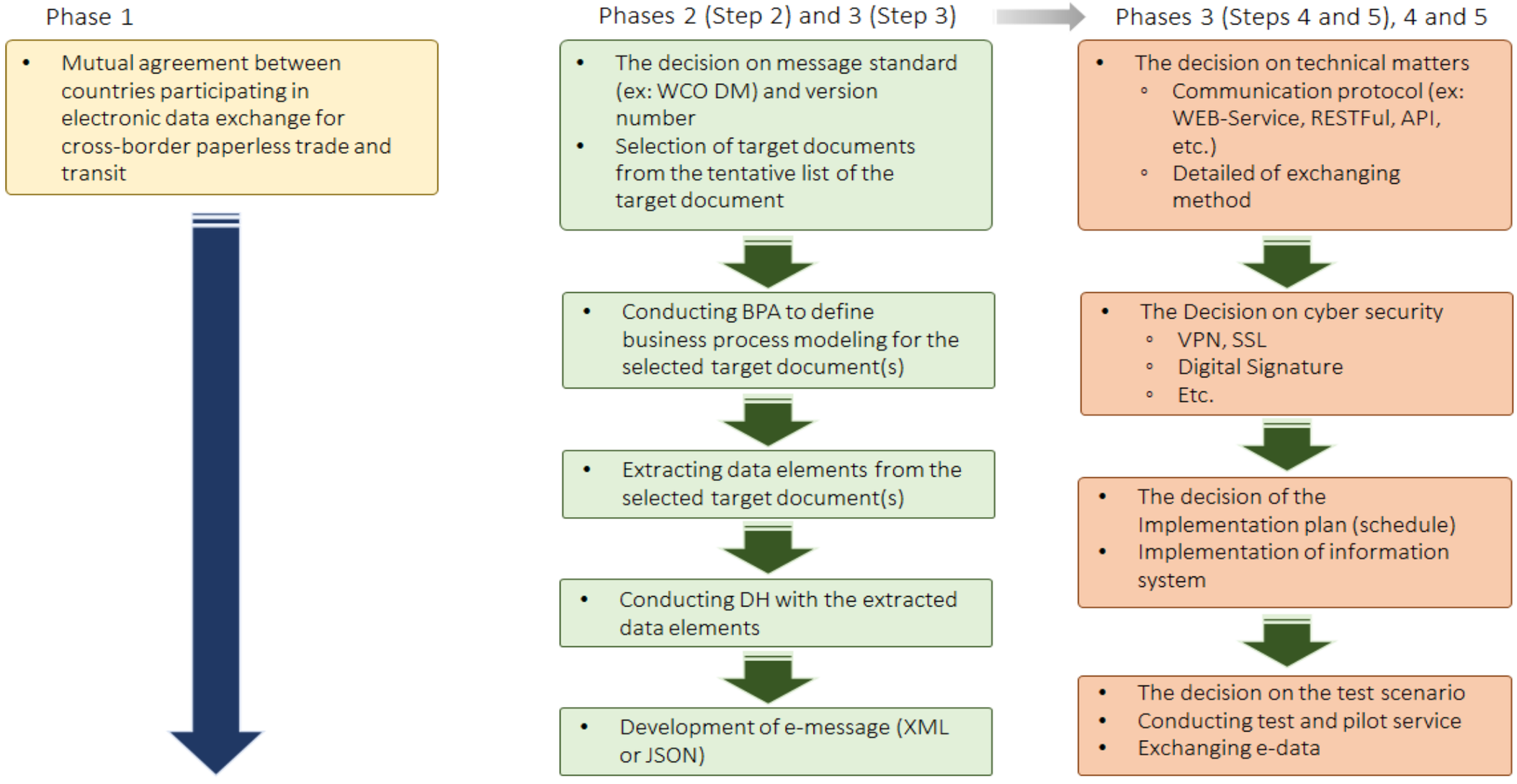
Way forward

- **Established a Task-force Team for e-data exchange of cross-border paperless trade**
- **Starting to discuss mutual agreement among task-force team members**
- **Discussion about standards required for electronic data exchange (information standards or communication protocol)**
  - Reference data model: **WCO Data model**, UN/CEFACT CCL, UBL Common library, etc.
  - Message Format: **XML**, EDI, **JSON**, etc.
  - Communication protocol: **REST(Ful)**, WEB Service, etc.
- **Discussion about cyber-security in cross-border paperless trade and transit data exchange**
  - VPN -> Digital signature & Encryption -> blockchain
- **Capacity Building for task-force team members**

II. Recommendation of system for electronic data exchange

Way forward

- **Conducting action plans by TO-BE model procedural methodology**





감사합니다

Thank you





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