

## Building Digital Trade Ecosystem in APEC: Strengthening Cooperation and Encouraging Adoption

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## **Understanding digitalization in APEC**

## Digitalization is becoming an integral part of our daily lives



#### **Financial transactions**

(e.g., mobile payments, e-wallets)



#### Healthcare

(e.g., telehealth, telesurgery)



#### Education

(e.g., virtual classrooms)



#### **Professional services**

(e.g., remote services, digital project management)



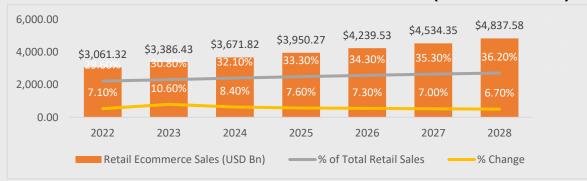
#### **Tourism**

(e.g., virtual tours)



## Understanding digitalization in APEC Digitalization is bringing convenience, efficiency and resiliency

#### Retail e-commerce sales in Asia-Pacific (billions USD)



Source: Emarketer forecast, July 2024 (accessed 16 August 2025).

### Trade in digitally-delivered services in APEC (trillions USD)

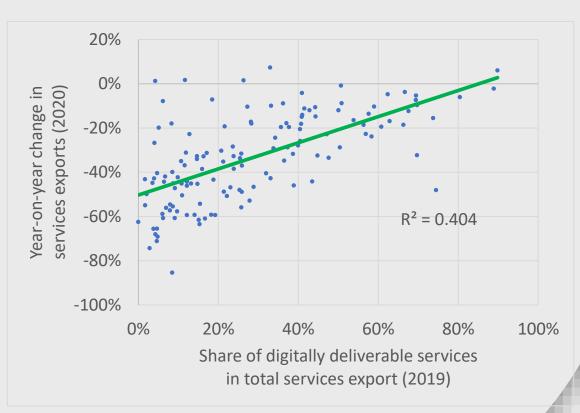


Note: Total services values in red

Source: APEC PSU calculations based on WTO data (accessed 19 August 2025).

## Asia-Pacific Economic Cooperation

#### Services trade resilience amid the pandemic



Source: APEC PSU calculations based on UNCTADStat data for 134 economies (including 18 APEC economies).

## Supportive frameworks is key to sustain digitalization efforts



### Laws and regulations

(e.g., electronic transactions, cross-border data flows, consumer protection and dispute resolution)



#### **Technical standards**

(e.g., data/document format, cybersecurity, e-payment, cloud, AI management)



## International cooperation and collaboration

(e.g., harmonization, alignment, interoperability of laws, standards, regional single windows)



## Impact of facilitating trade digitally and of digital trade provisions

## CTI (2023)

- Flows of digitally deliverable services increased by 2.3 percent for every additional digital trade provision that came into force between two trading partners on aggregate.
- Adoption of specific digital trade provisions (e.g., e-authentication and e-signatures, e-invoicing, paperless trading, privacy protection) was found to increase the flows of digitally ordered and digitally deliverable trade by between 11 and 44 percent in successive years.

## **NZIER (2021)**

 Facilitating trade digitally would enable supply chain participants to gain between USD5.6 to USD11.2 billion.

## CTI (2025)

 Adoption of paperless trade platforms reduced exporting firms' total trade costs by 3.8 percent on average, which pertain to costs associated with border compliance and time in transit.



## **State of supportive frameworks in APEC**

Laws and regulations (non-exhaustive)



### Electronic authentication (e.g., e-contract, e-signature)

- Many economies recognize e-contracts as valid and enforceable.
- Electronic records alone may be insufficient to meet all formality requirements.
- Requirements for valid e-signature could vary between economies.



#### **Cross-border data flows**

- Varying conditions under which cross-border flows of personal data are allowed (e.g., consent, similar levels of protection).
- In some cases, regulations for transfer of personal data apply horizontally.



## **Consumer protection and privacy**

- Scope and coverage of consumer protection laws differ.
- Definition of personal information may vary.
- Aspects covered by data privacy laws differ (e.g., data breach notification, appointment of data protection officers).



## **State of supportive frameworks in APEC**

Technical standards (non-exhaustive)



### **Electronic invoicing**

- Standards may differ between economies (e.g., PEPPOL, domestic standards).
- Could affect semantics (e.g., codes, data format) and readability between systems.



#### **Customs and trade data**

- Formats used by economies could differ (e.g., WCO Data Model).
- Customization may affect comparability at the granular level.



## Cybersecurity

- Gamut of standards (e.g., ISO/IEC 27000 series, NIST frameworks).
- Fragmentation creates compliance challenges.



## State of supportive frameworks in APEC International cooperation and collaboration





### **APEC** initiatives

- Range from overarching frameworks to targeted roadmaps and agendas (e.g., APEC Putrajaya Vision, APEC Internet and Digital Economy Roadmap).
- Operationalized by fora/working groups through various projects involving relevant partners and cross-fora collaboration.



#### **Partner initiatives**

- Participation in UNCITRAL model laws (e.g., MLETR, MLEC, MLES) and WTO JSIs.
- Sharing of knowledge and best practices (e.g., ICC DSI Key Trade Documents & Data Elements).



### Bilateral and regional initiatives

- Range from trade facilitation initiatives (e.g., ASEAN Single Windows) to agreements (e.g., CPTPP, RCEP, DEPA, DEA).
- Collaborations between platforms in various forms (e.g., interoperability, pilots, rulebooks).



## Food for thought Role of APEC



# 1. Platform for Dialogue & Exchange of Best Practices

- Promote understanding & peer learning
- Document and disseminate innovative practices (e.g., interoperability of einvoicing systems)



# 2. Support Capacity Building & Encourage Adoption

- Explore uptake of various initiatives
   (e.g., APEC CBPR, UNCITRAL model laws)
- Encourage experimentation and reform



# 3. Advance Cross-For<u>a</u> Collaboration & Strengthen Cooperation

- Coordinated dialogues between relevant fora (e.g., CTI, DESG, SCCP)
- Strengthen cooperation with stakeholders and partners



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## 4. Foster Monitoring & Evaluation

- Monitor implementation through existing initiatives (e.g., AIDER)
- Transparency: Encourage reporting on adoption of model laws



# 5. Support Forward-looking – Research

Undertake studies on emerging issues

(e.g., digital technical standards)



## Find out more about the APEC Policy Support Unit (PSU)

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