



Asia-Pacific Trade Facilitation Conference 2025: Integrating Technologies for Sustainable Trade Facilitation

Generative Artificial Intelligence for Trade Facilitation: Future of Trade and Customs Services Georgia Revenue Service

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Challenges & Needs



Strategic Vision of GRS for Digitalization









Automating and Digitalizing Different Customs Processes Using Robotics and Artificial Intelligence (AI) Technology



















Completed Tasks:

Document Identification	
Data extraction from documents	
Data input validation	
- Completion of Customs Declarations for export goods	
 Issuance/ Validation of certificates of origin 	

- Assessment of tax liabilities for "yellow channel"

Challenge: Resistance to Automation & AI

Solution: Training, Transparency & Phased Implementation

- Customs officers and traders initially feared AI would replace their roles.
- Conducted training sessions and pilot programs to demonstrate how AI augments human expertise rather than replacing it.
- Engaged stakeholders early to build trust in gradual technology adoption.

Challenge: Lack of Unified Documentation

- Solution: Standardization & Scalable Software Design
 - Implemented standardized document formats to ensure smooth data processing.
 - Designed modular and distributed software architectures for scalable and adaptable systems.

Challenge: Technology Integration & Legal Frameworks

Solution: Strategic Technology Selection & Process Reengineering

- Ensured new automation tools (RPA, OCR) integrate seamlessly with legacy systems.
- Updated legal frameworks and adapted software to support new digital trade mechanisms.
- Challenge: Validation, Human Oversight & Engagement

Solution: Intuitive UI & Training Programs

- Developed user-friendly validation tools for customs officers to verify AIgenerated decisions.
- Conducted awareness programs to bridge knowledge gaps and boost confidence in digital platforms.





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THANKS FOR THE ATTENTION

