

KOREAN EODES

**- BLOCKCHAIN BASED E-C/O SYSTEM
IN KCS(KOREA CUSTOMS SERVICE)**

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II. Adopting blockchain technology

III. Conclusion

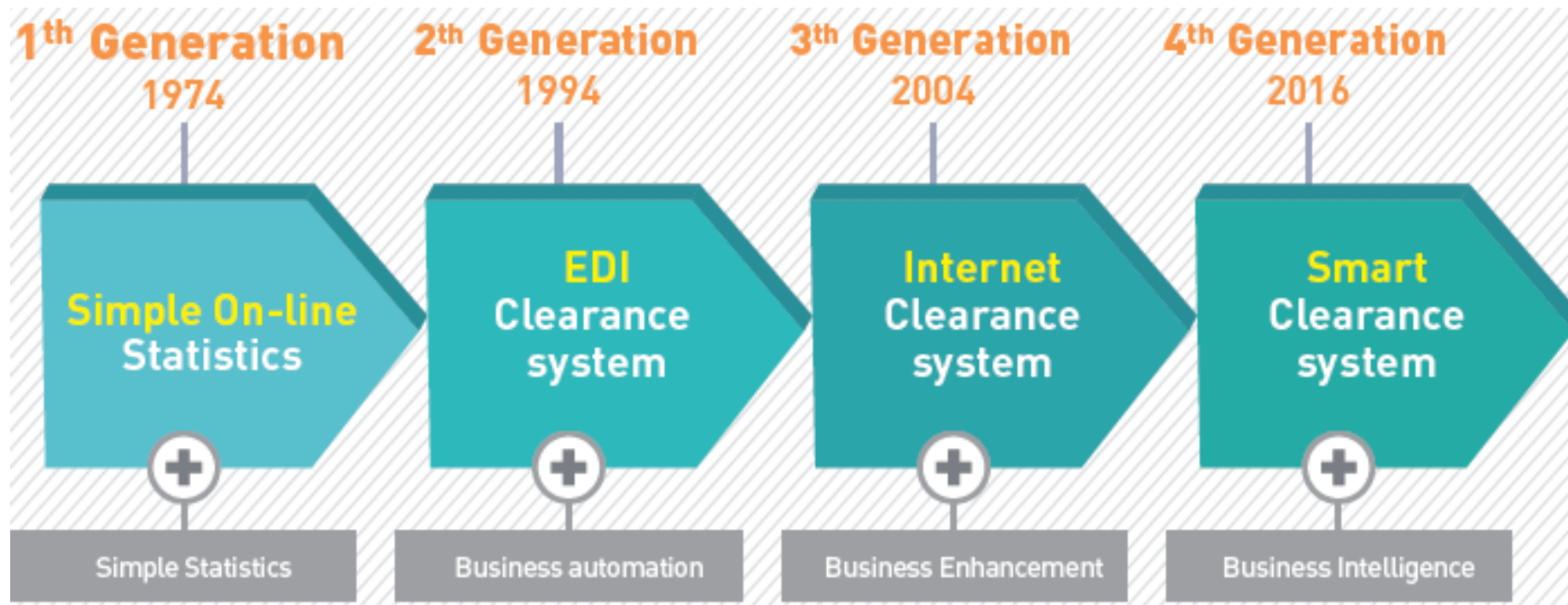


1. KCS UNI-PASS system

■ Overview

- *UNI-PASS system is an electronic system developed and operated by the Korea Customs Service for efficient customs border protection*
- *Korean e-Clearance System*

■ History



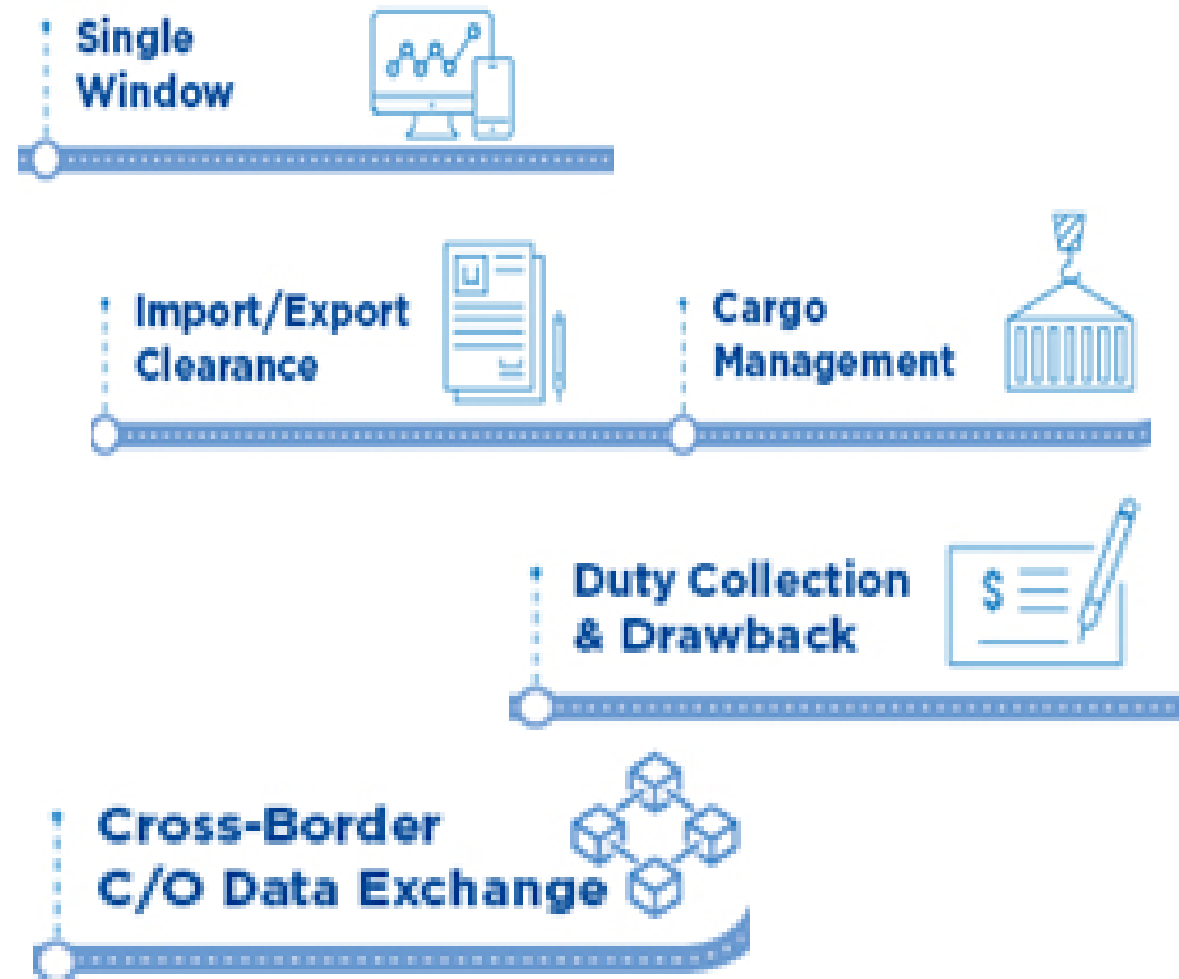
Source: Korean Customs Service

I. Introduction

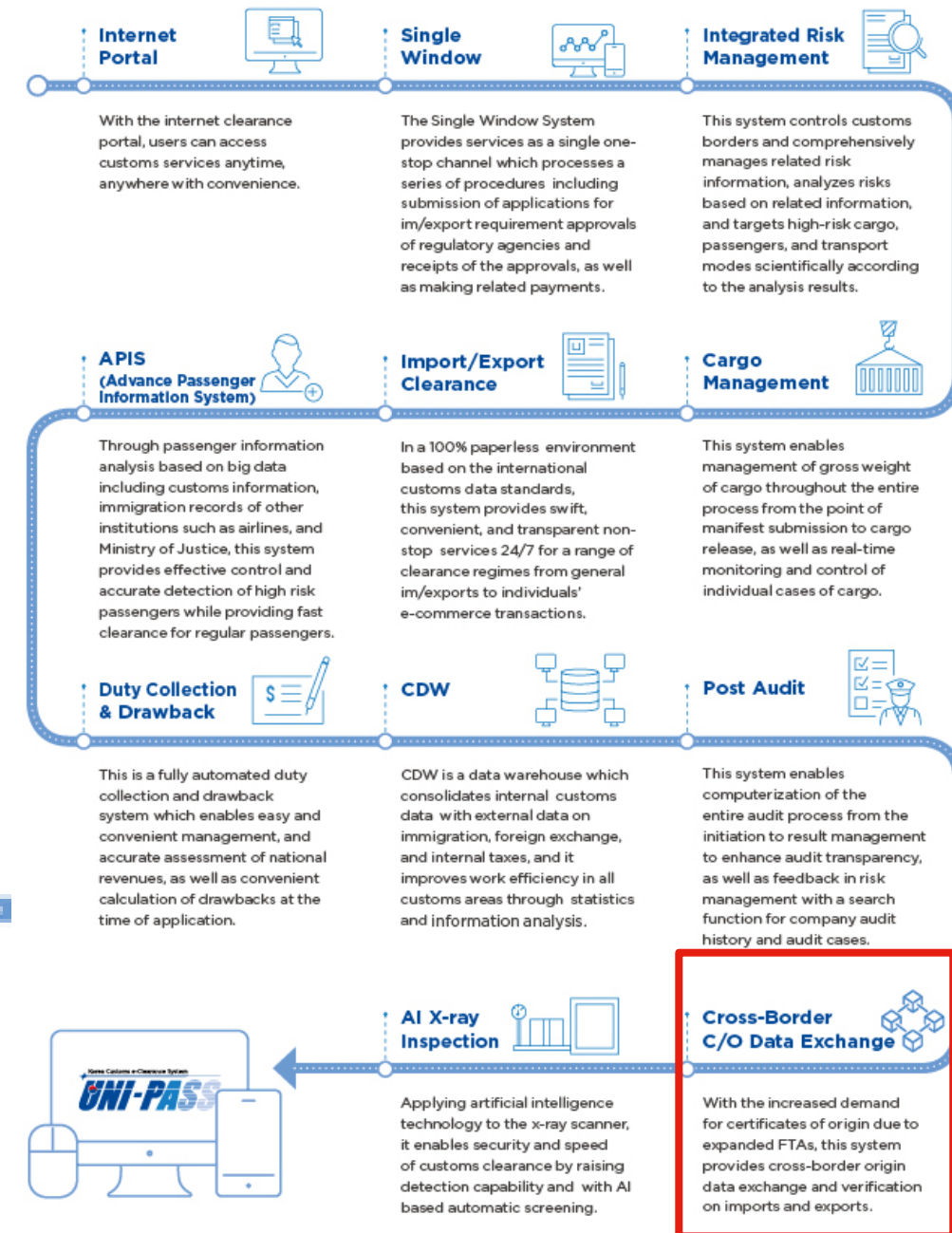


1. KCS UNI-PASS system

■ Key modules



Source: Korean Customs Service



2. Adopting Blockchain Technology



EODES in KCS

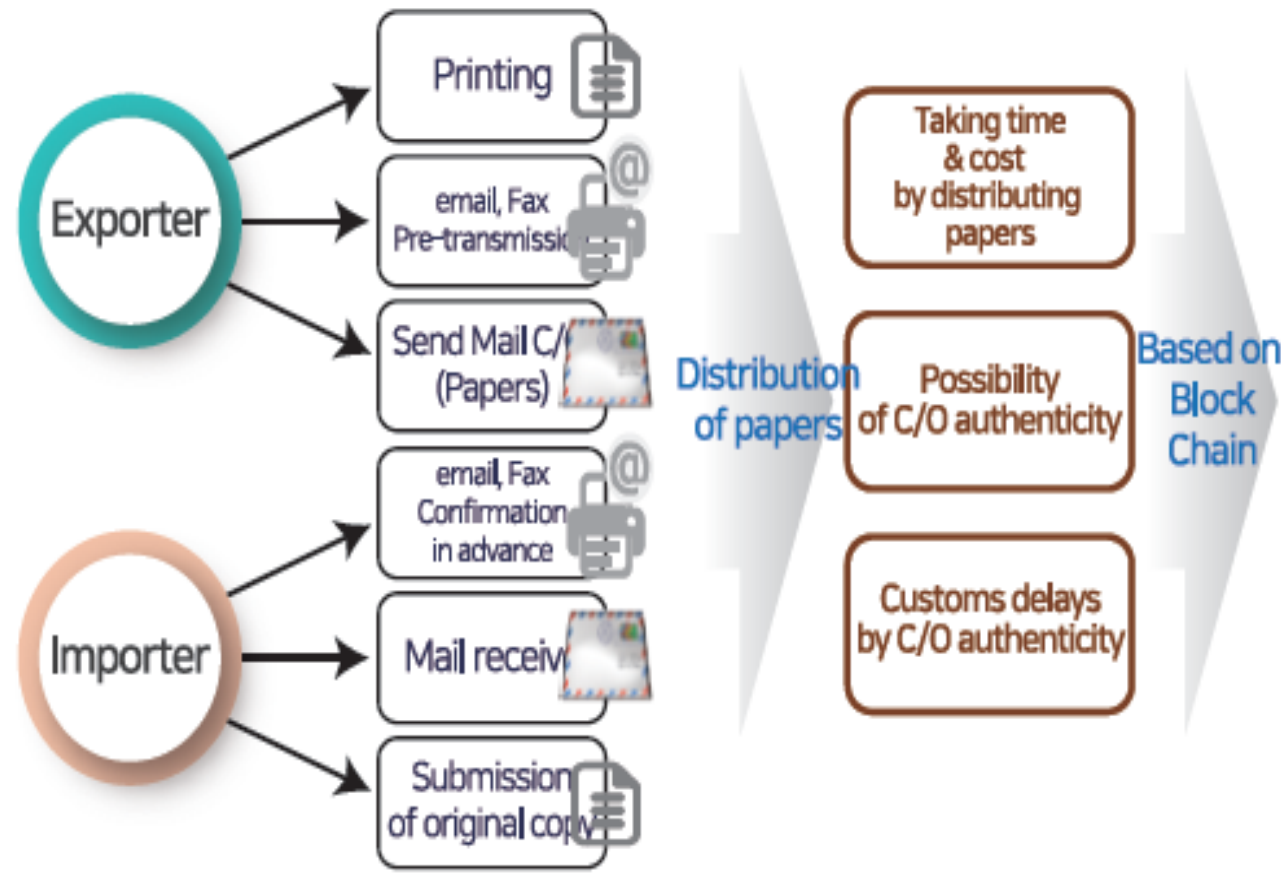
- What is EODES
 - *EODES: Electronic Origin Data Exchange System*
 - *which is blockchain-based service platform for cross-border e-C/O exchange*
 - *Issuing, exchanging, and reviewing the Certificate of Origin (C/O) electronically*
 - *To resolve the difficulties of Customs clearance, the exchange C/O data use the blockchain to prevent forgery of documents*

2. Adopting Blockchain Technology

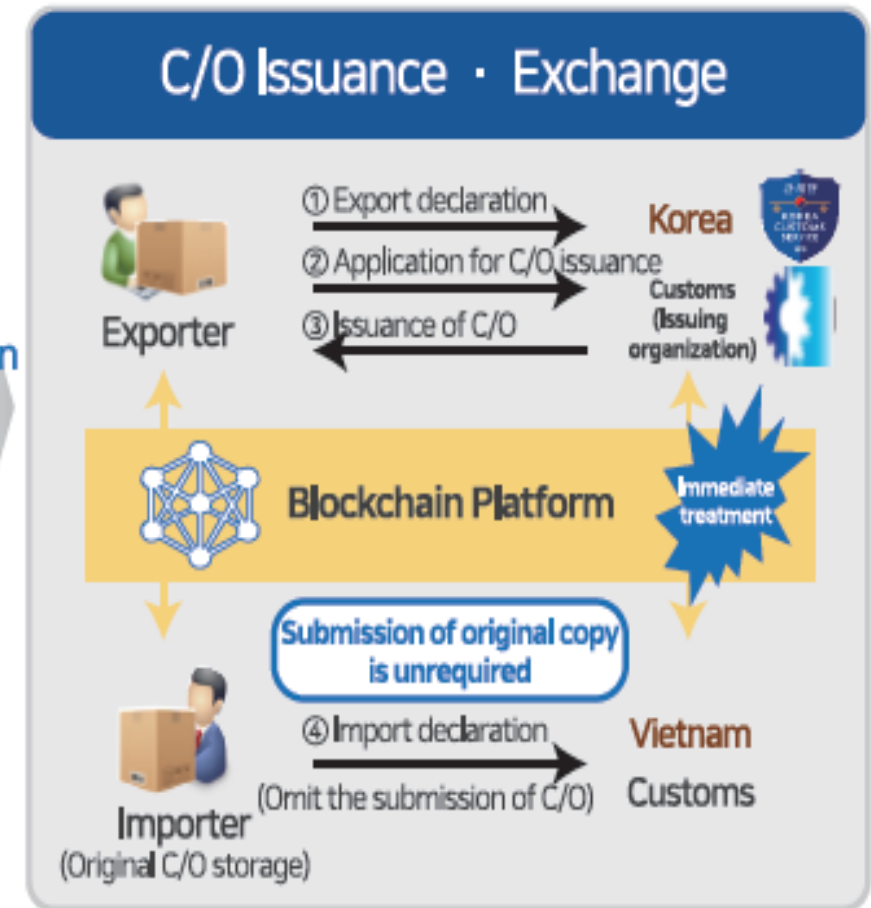
EODES in KCS

- What is EODES

Exchange of papers (Absence of exchange system)



Block Chain- based Exchange Data

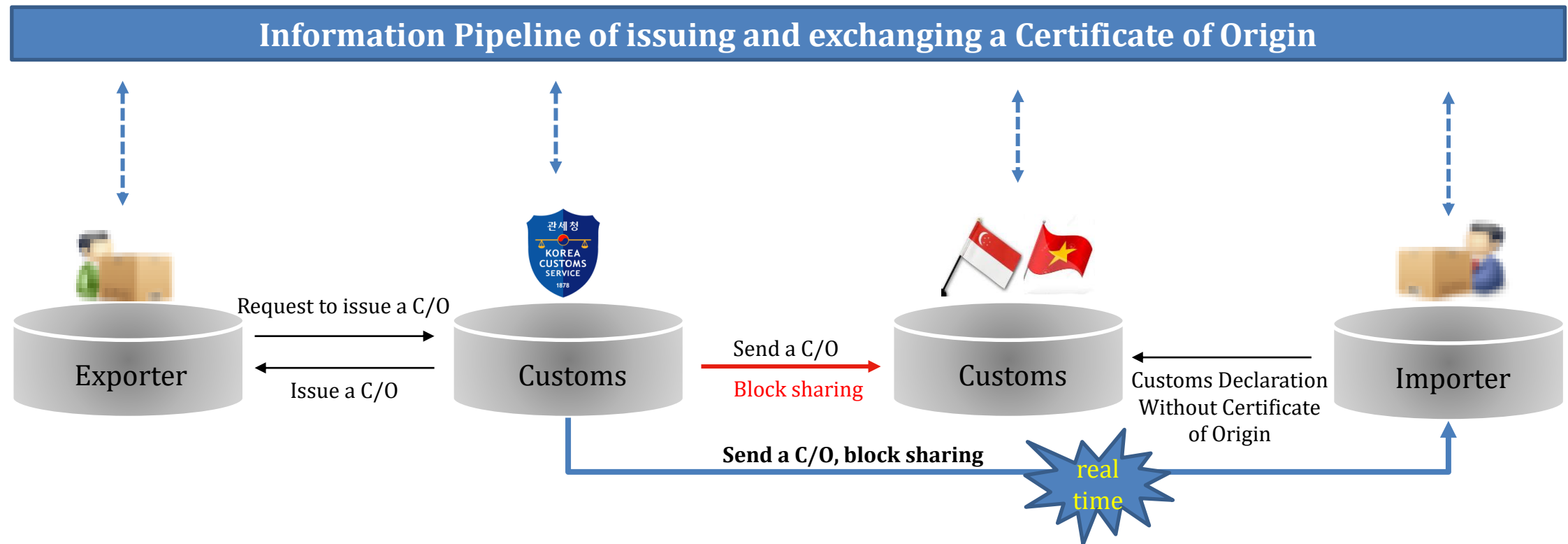


Source: Korean Customs Service

2. Adopting Blockchain Technology

Exchange Certificate of Origin by Blockchain

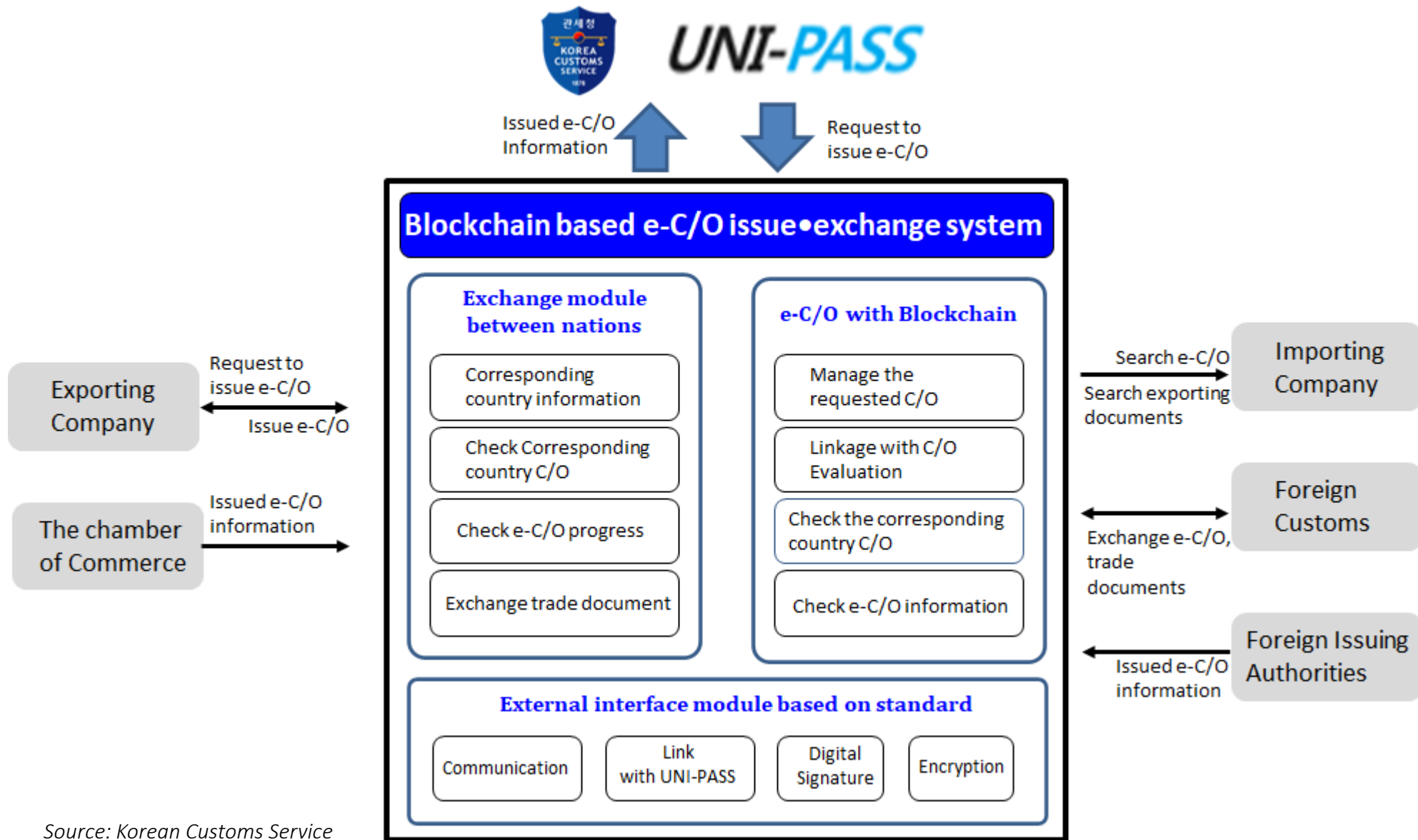
- Certificate of Origin exchanging with a blockchain in Korea



Source: Korean Customs Service

2. Adopting Blockchain Technology

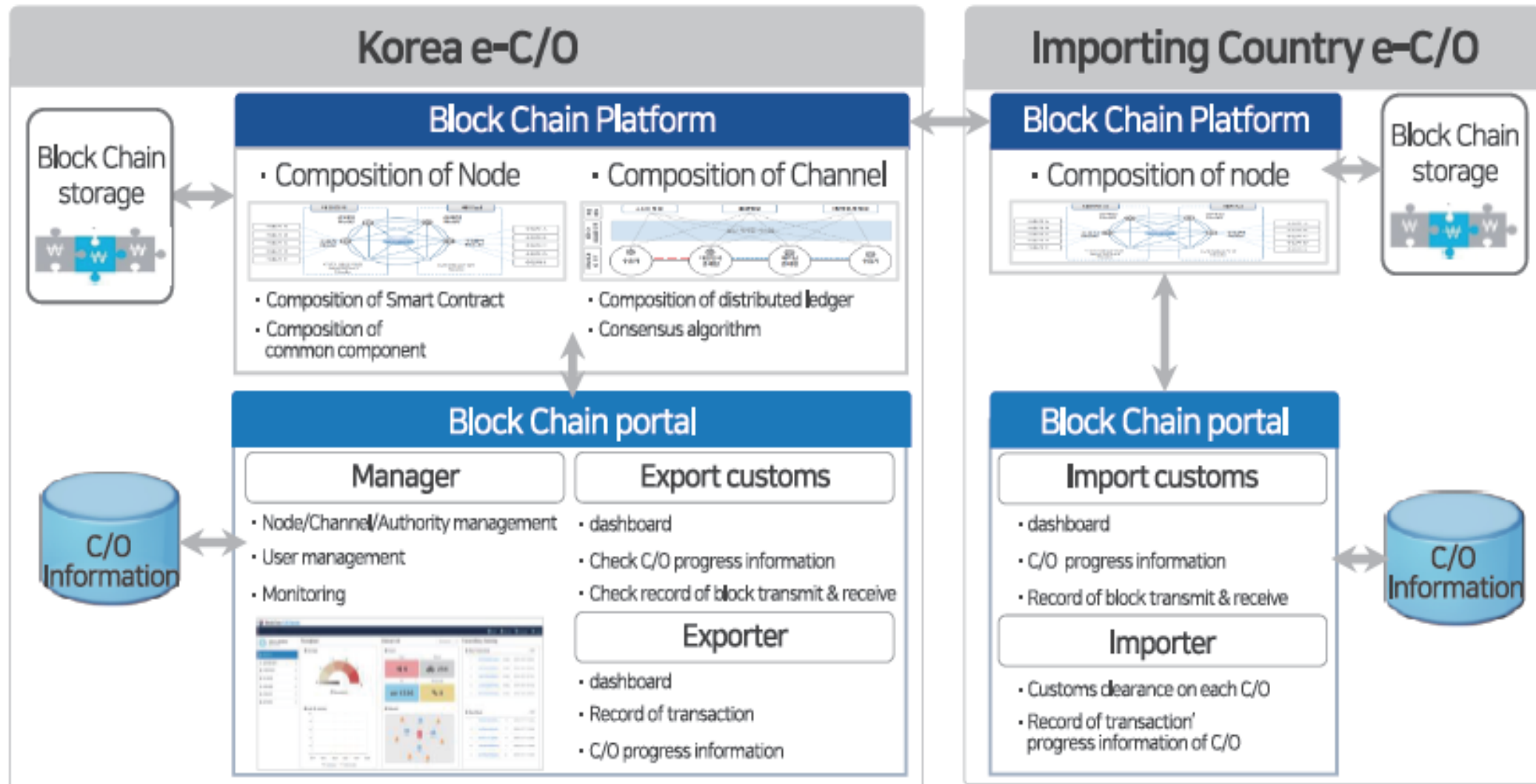
Service configuration for Exchange Certificate of Origin by Blockchain



Source: Korean Customs Service

2. Adopting Blockchain Technology

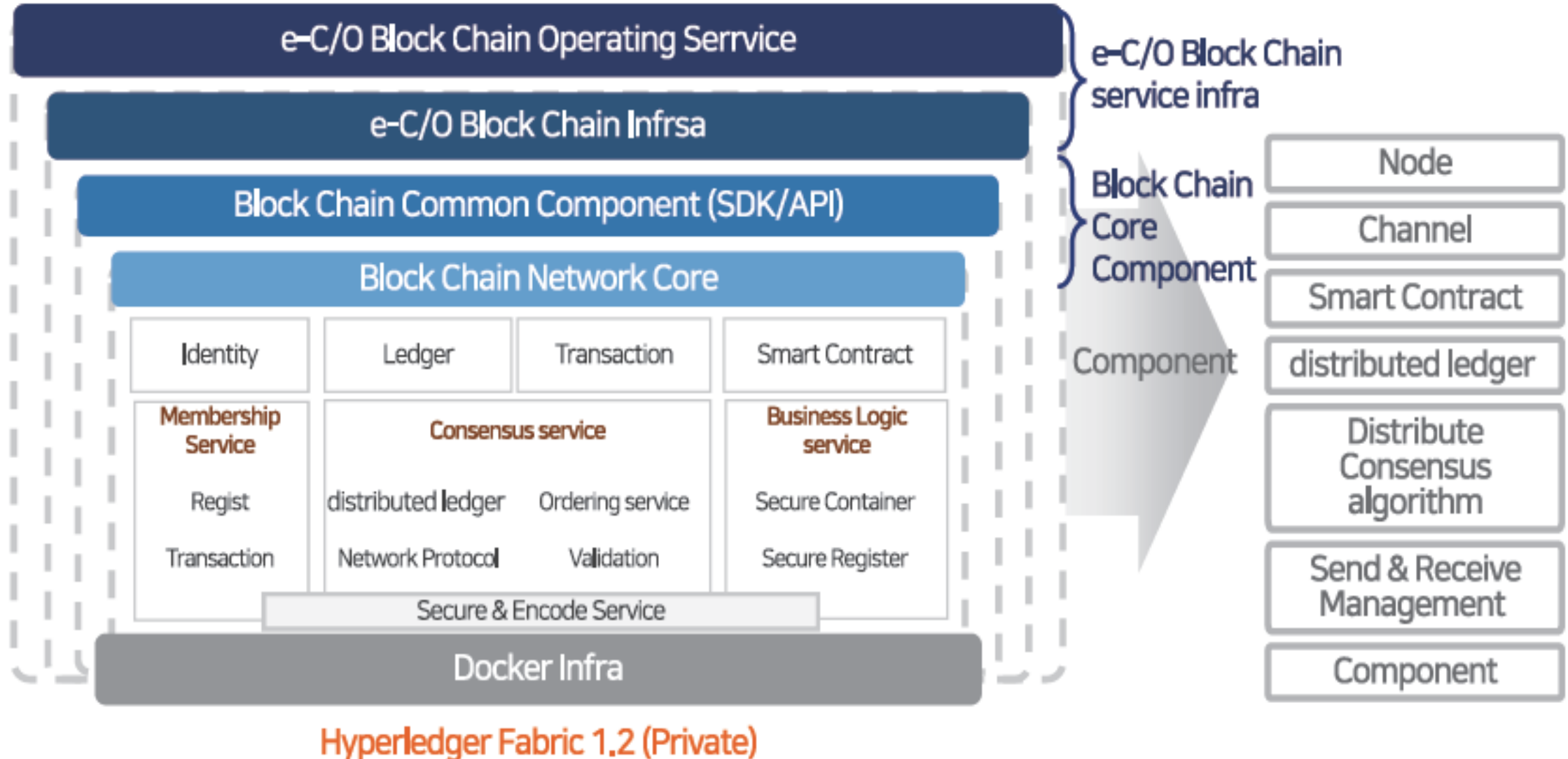
System Configuration of EODES



Source: Korean Customs Service

2. Adopting Blockchain Technology

System Configuration of blockchain platform



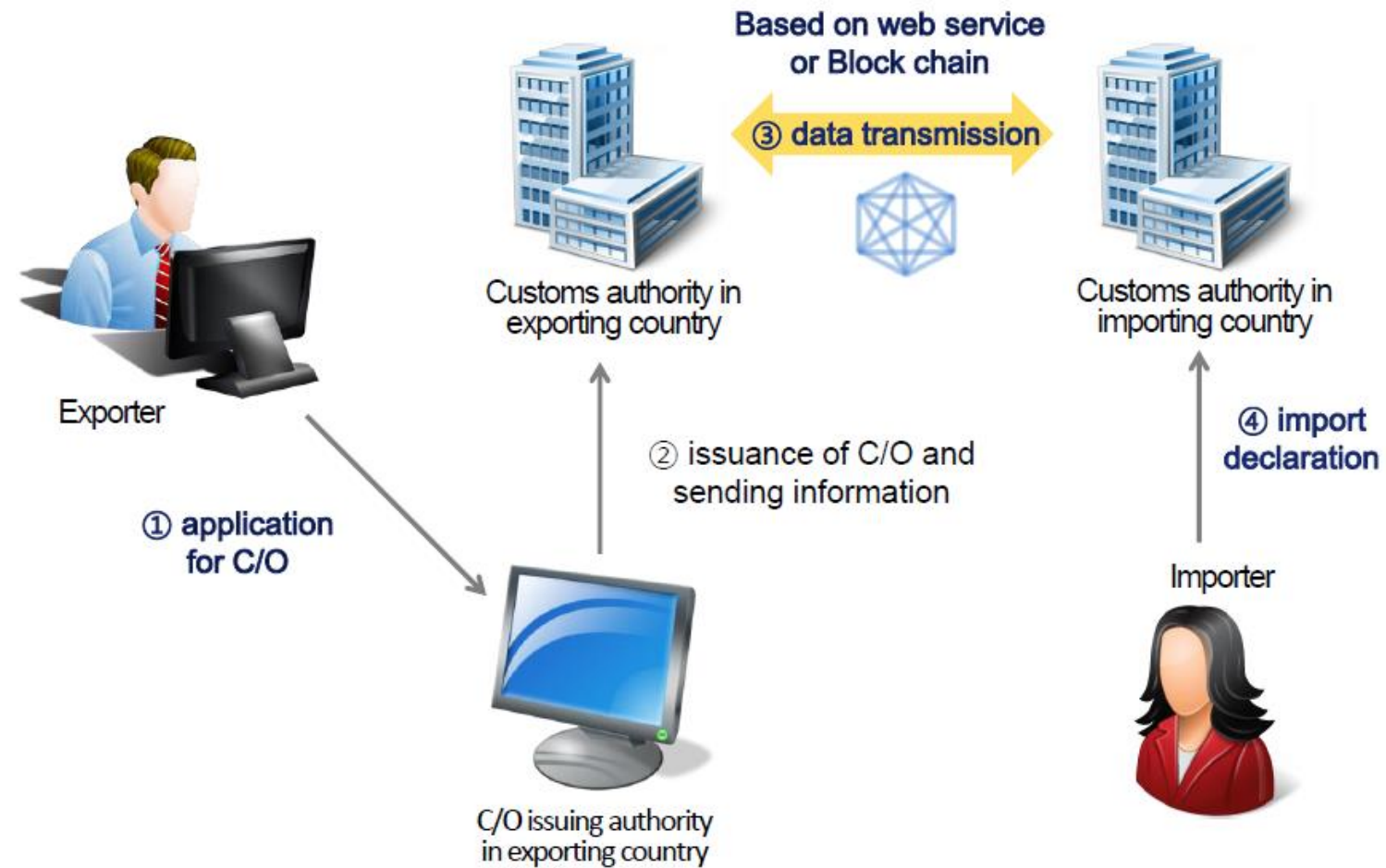
Source: Korean Customs Service

2. Adopting Blockchain Technology

Type of e-C/O system

- EODES

- *Exporting Customs Authority and Importing Customs Authority exchange C/O data electronically*

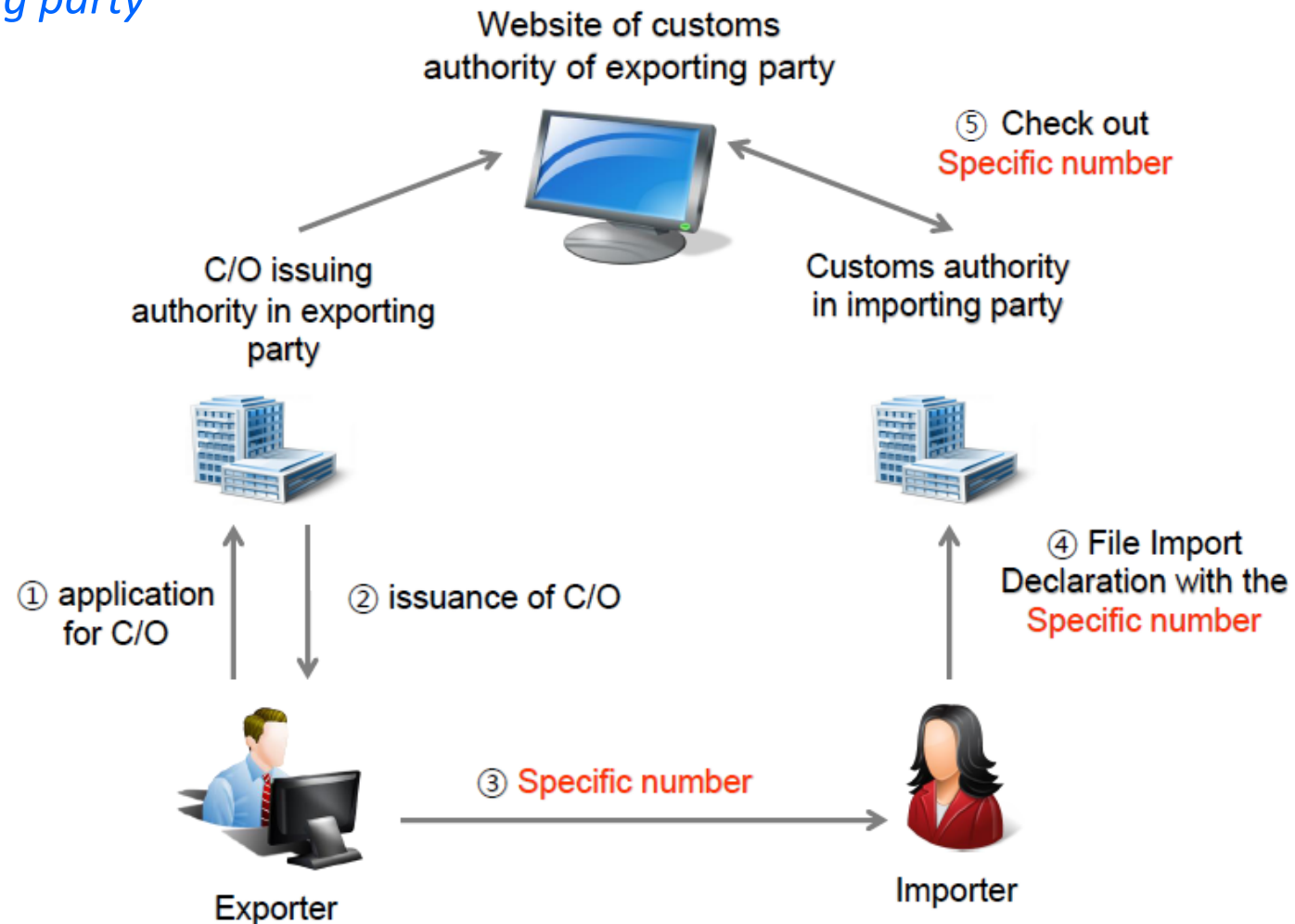


Source: Korean Customs Service

2. Adopting Blockchain Technology

Type of e-C/O system

- Electronic verification system
 - Customs Authority in importing party can access to electronic verification system of Customs Authority of exporting party*

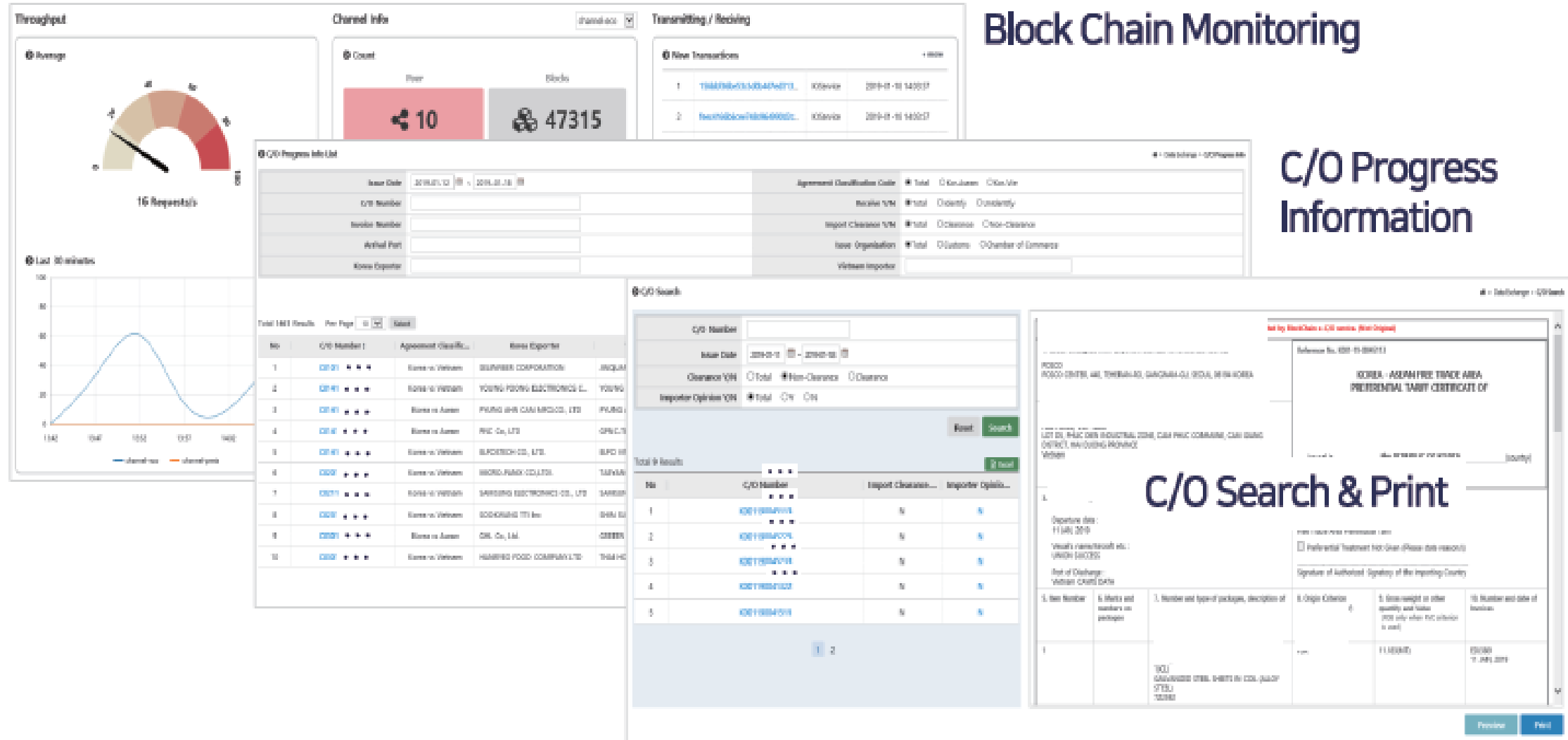


Source: Korean Customs Service

2. Adopting Blockchain Technology



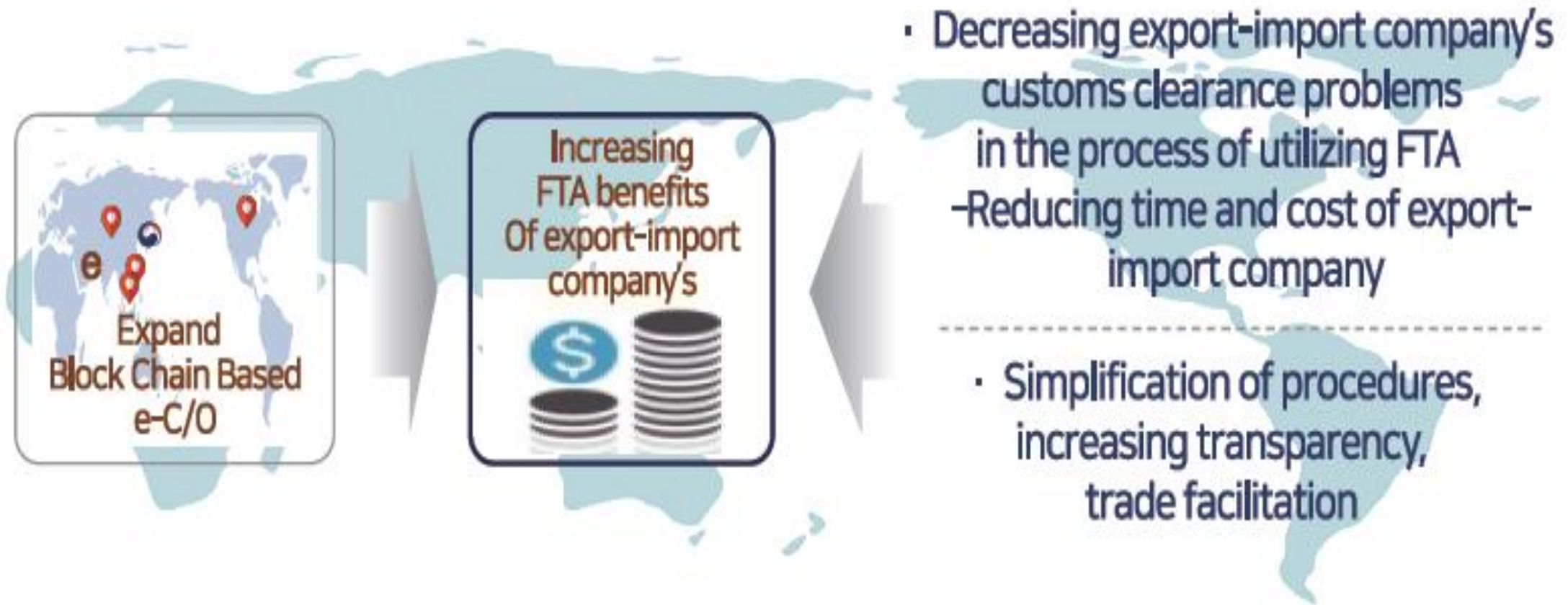
Blockchain Portal



Source: Korean Customs Service

3. Conclusion

The expected effects



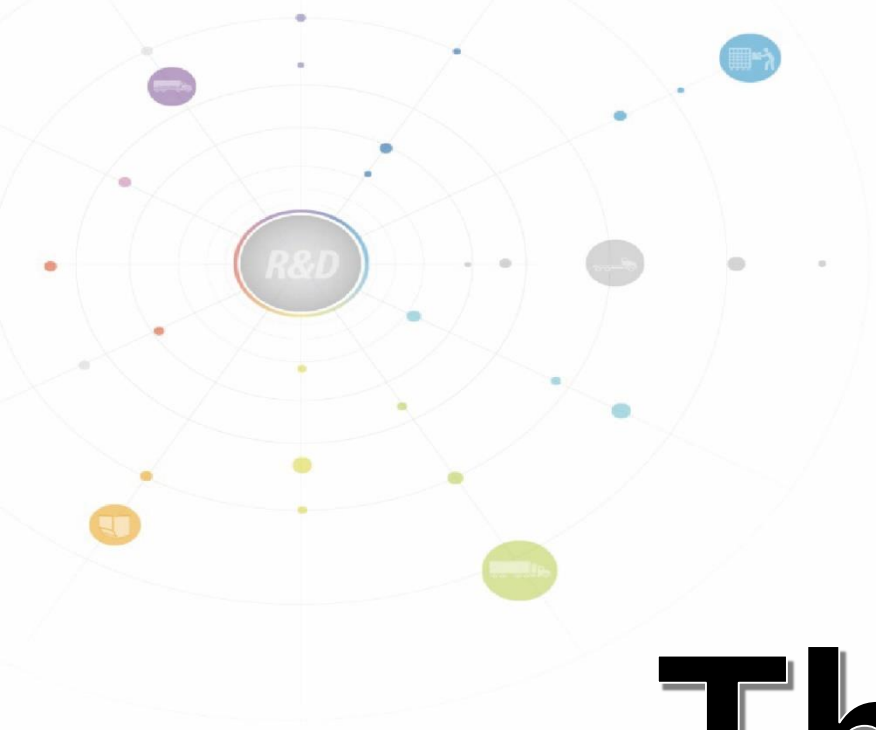
Source: Korean Customs Service

3. Conclusion



Current Status and next step of EODES

Country	Processing	Effects
China	<ul style="list-style-type: none">Starting from '16.12About 2 million annually of certificate of origin (C/O) are being exchanged electronically	Cost savings of 99.7 Billion won (75 Million USD) annually
Indonesia	<ul style="list-style-type: none">Starting from '20.03About 130 thousands annually of certificate of origin (C/O) are being exchanged electronicallyOnly the Korea-ASEAN FTA C/OUnder discussion aiming for exchanging CEPA C/O data	Cost savings of 18.1 Billion won (13 Million USD) annually
Viet Nam	<ul style="list-style-type: none">Signed MOU ('22.10)Aims to support for system development in Vietnam and system connection between the two countries	
India	<ul style="list-style-type: none">Signed MOU ('19.05)Aims to agree technical points within 2022Under discussion aiming for starting EODES service on '23	



감사합니다!!

Thank you!!

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