

Wireless Security

2006.05

DreamSecurity! Security Your e-Life



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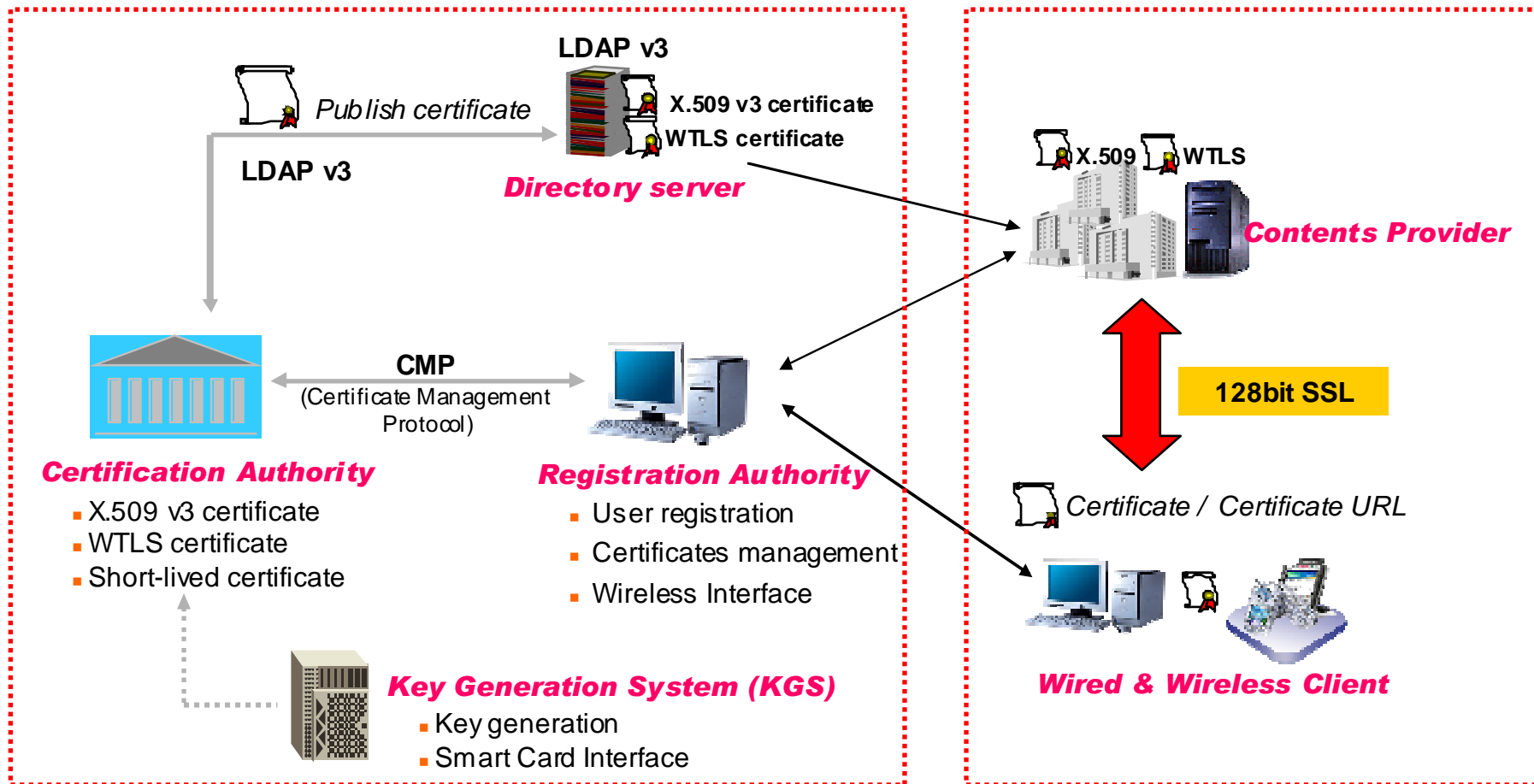
4. Korea e-government



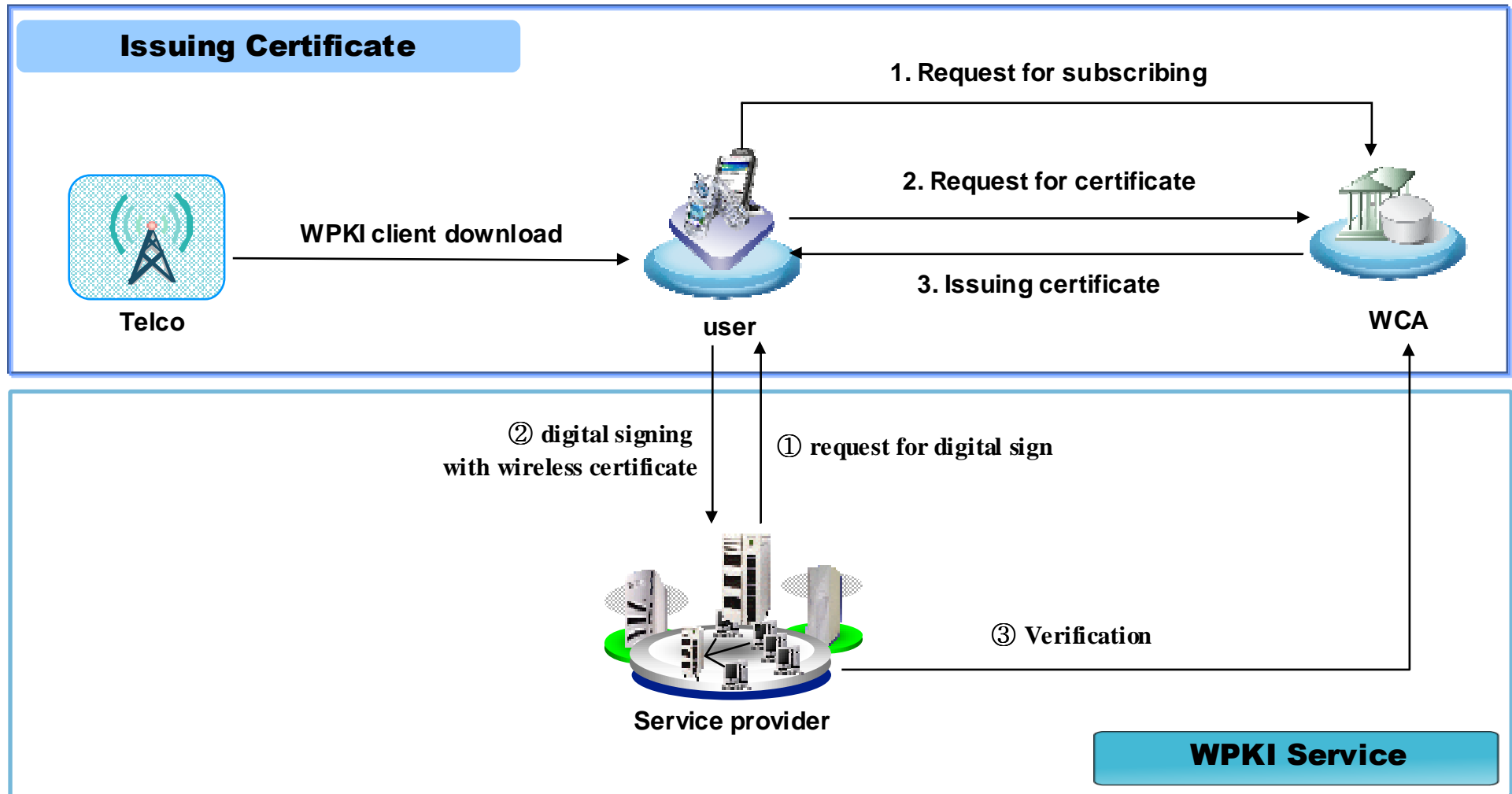
1. WPKI

- Introduce PKI**
- Service Flow**
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- Why WPKI?**
- Mobile Banking**

Introduce WPKI



Service Flow



Mobile Security

Finance

- Stock Trading
- Mobile Banking
- Insurance
- Mobile payment



Commerce

- Portal
- Shopping
- Ticketing
- B2B



Public

- e-government
- Civil Service
- Procurement
- Authentication



Enterprise

- Groupware
- Access authority
- Intranet



Why WPKI?

No pain with WPKI

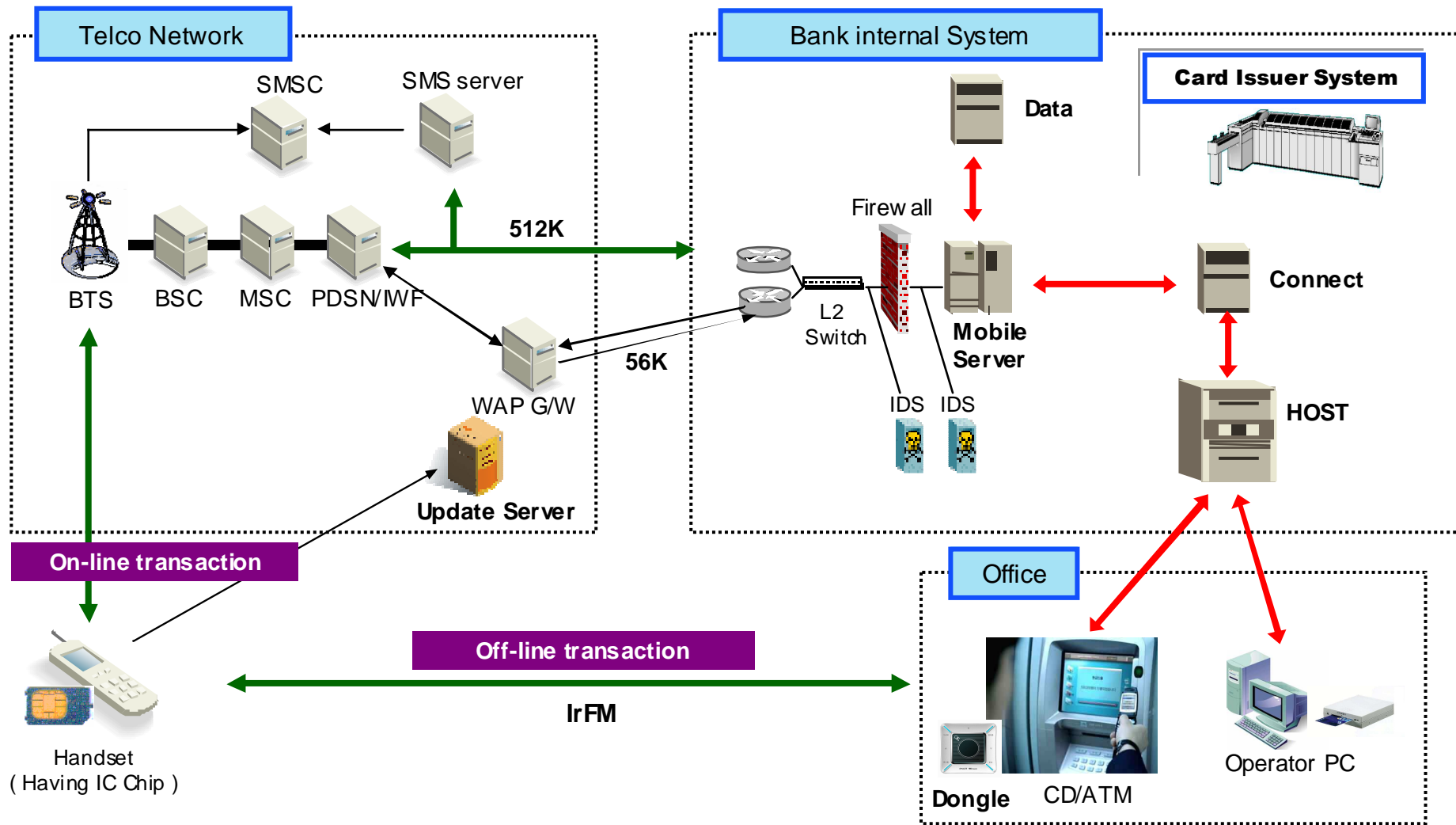
Legal Point of View

The Same security level with PKI
→ if you already have the cyber law,
everything is prepared.

Service Point of View

Digital signing and encryption
→ to verify the identify on the wireless
environment

Mobile Banking

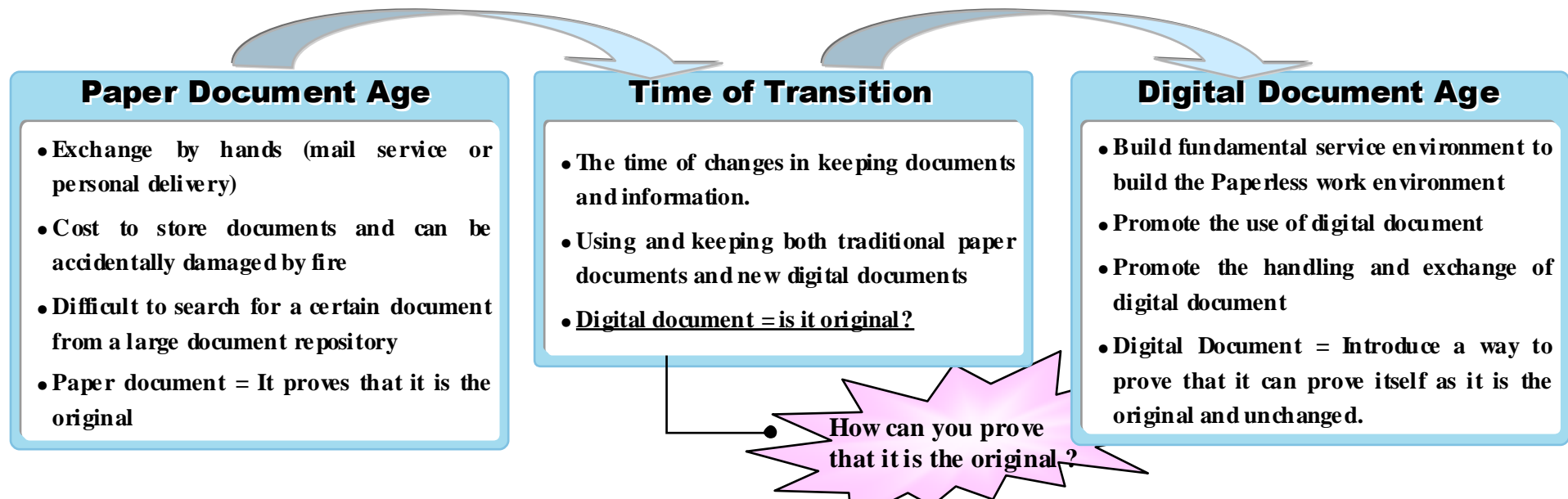




2. Introducing Digital Document Service

- Era of Digital Document**
- World Today (1)**
- World Today (2)**
- World Today (3)**

Traditional Paper Document to Digital Document



Enact Law and Regulation to Accept Digital Document

- ※ Digital document is now protected with its effectiveness by the law (Electronic Trade Act, March 2005 Amendment)

Build Government Licensed **Trusted Document Authority -
Reduce costs of running the traditional paper document repository**

World Today (1)

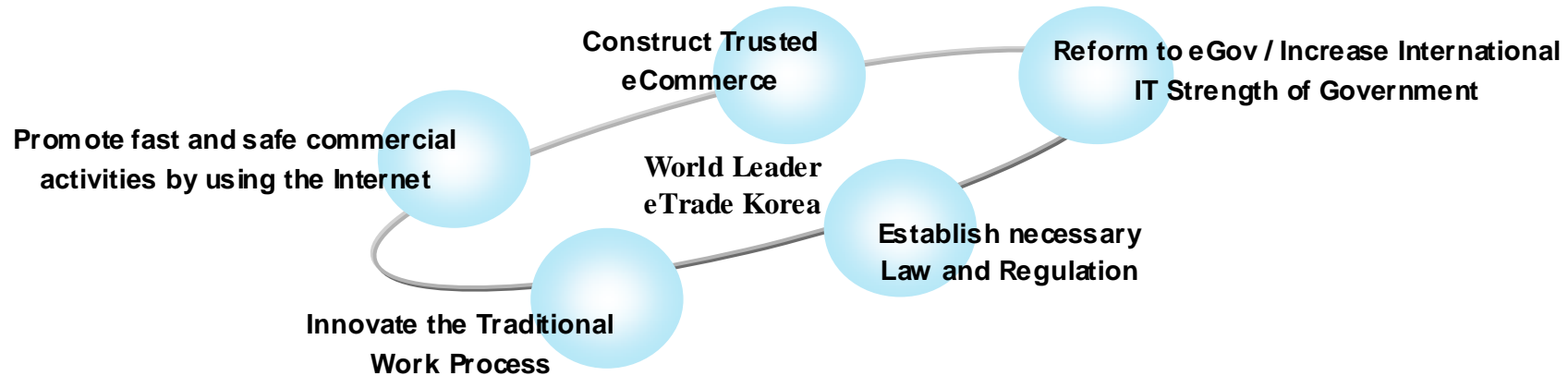
U.S.A

- Surety, LLC has introduced electronic document seal service (Secure Seal), and electronic notary service (DNS, Digital Notary Service).
- The U.S market for keeping the originality(the storing) of document, and digital notary service(prove unchanged) was between USD 4~5 billion

South Korea

- Ministry of Commerce, Industry and Energy has taken the lead to establish necessary regulations and laws to build the Government Licensed Trusted Digital (Document) Authority to replace traditional paper documents.
- A government authority, Korea International Trade Association(KITA) has been assigned to build and operate Trusted Document Authority. It is now preparing the service to general corporations, banks, financial groups and government.

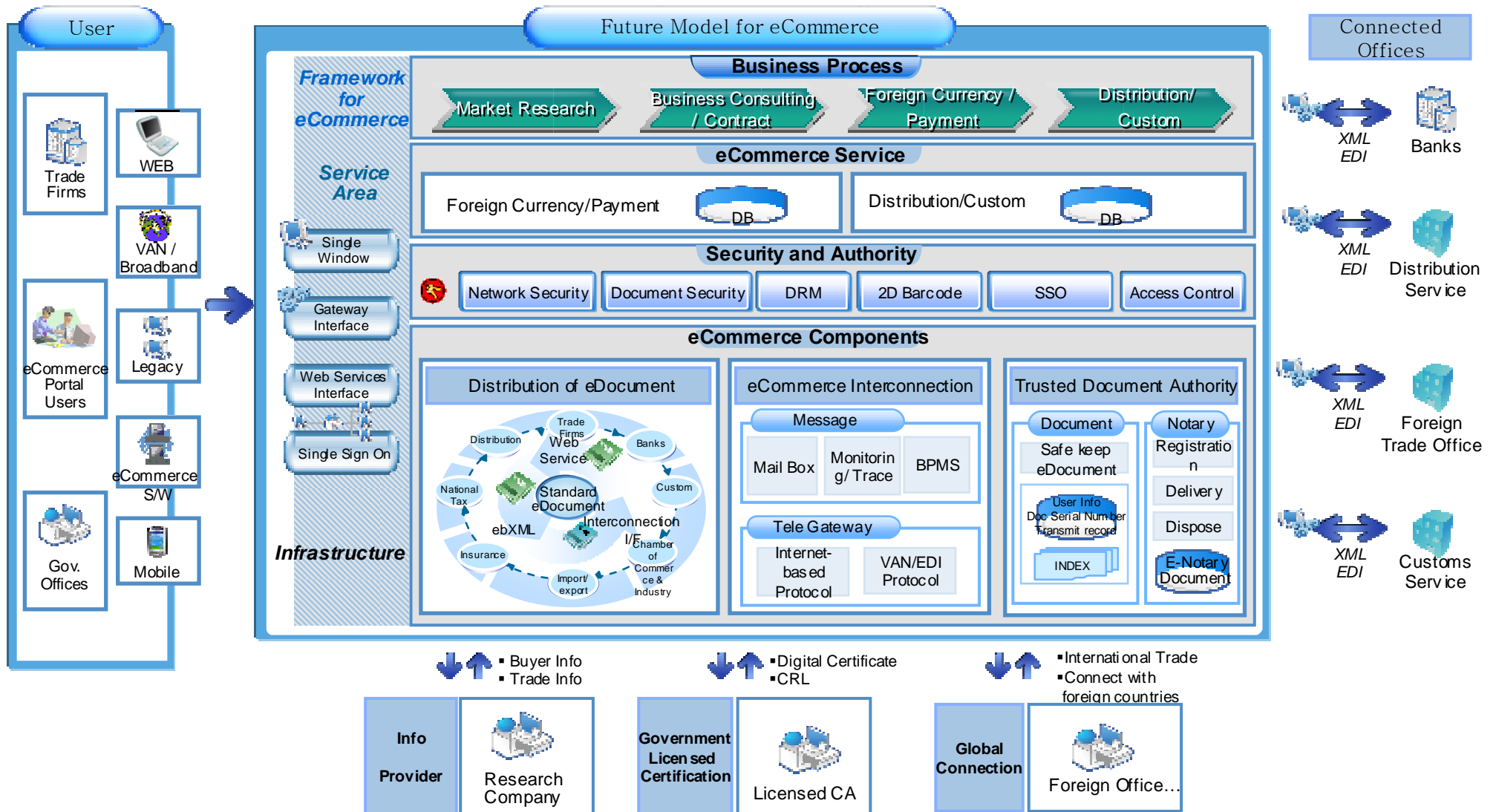
eTrade is a part of the Korea eGovernment 31 Promotion Projects



History



World Today (3) - Korea Digital Document Service

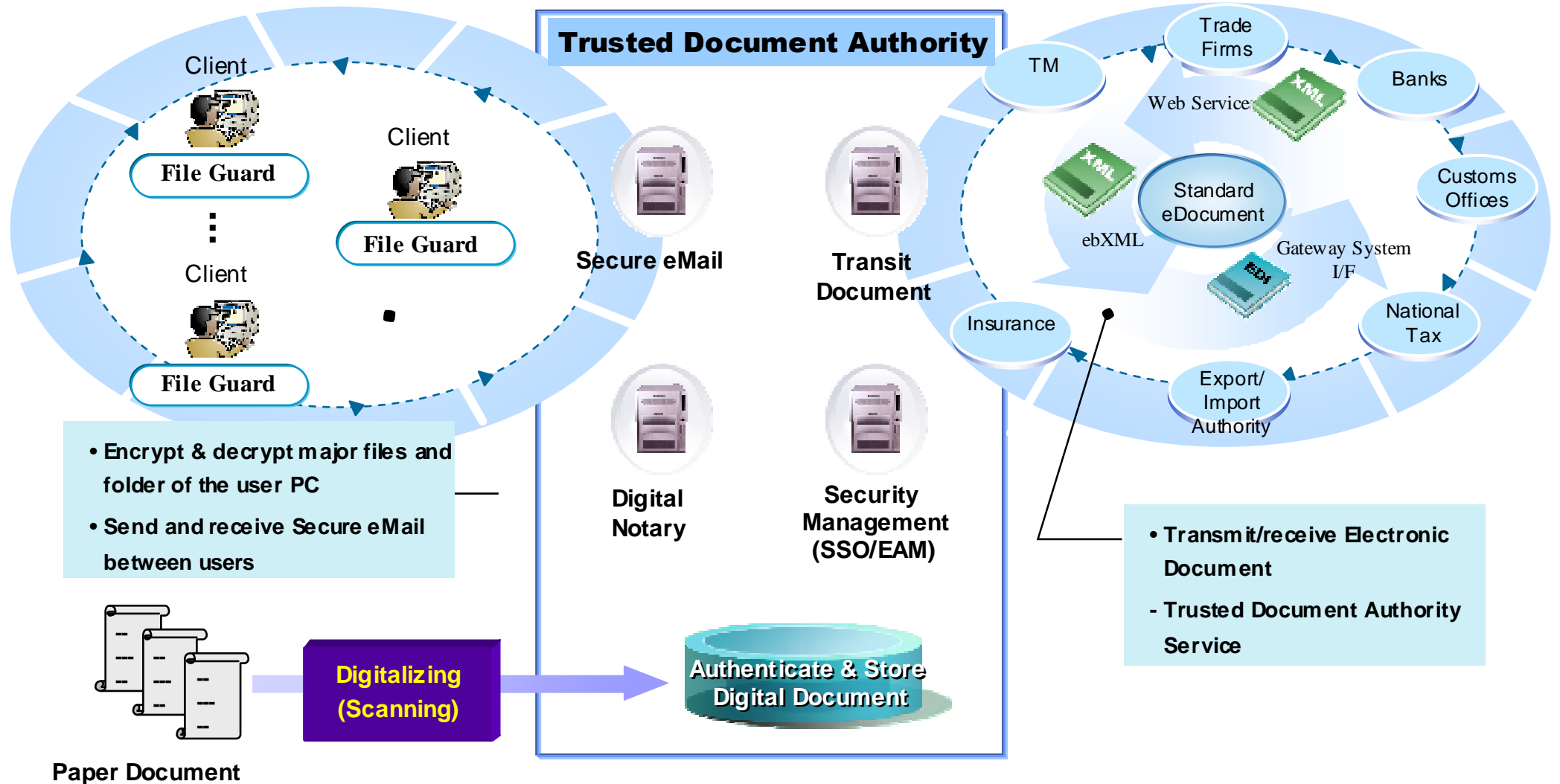




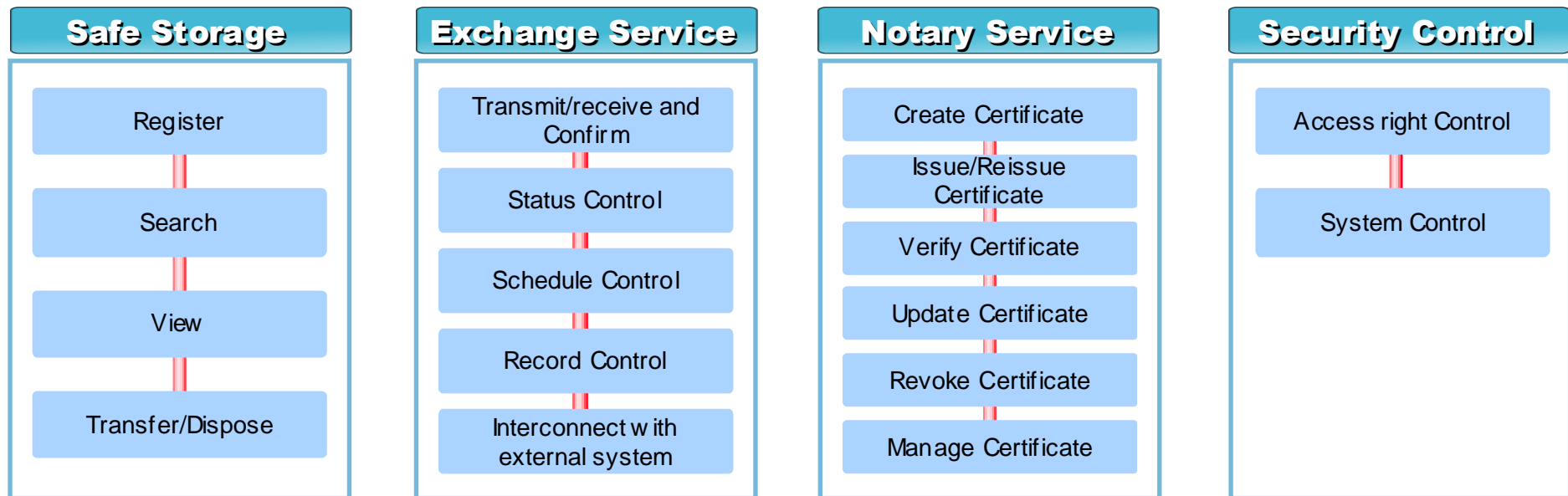
3. Trusted Document Authority

- Concept & Design**
- General Features**
- Originality of Document / How to use**
- How to verify the originality**
- Digitalization of paper documents / Prove originality**
- Value Added Solution**

Concept and Design



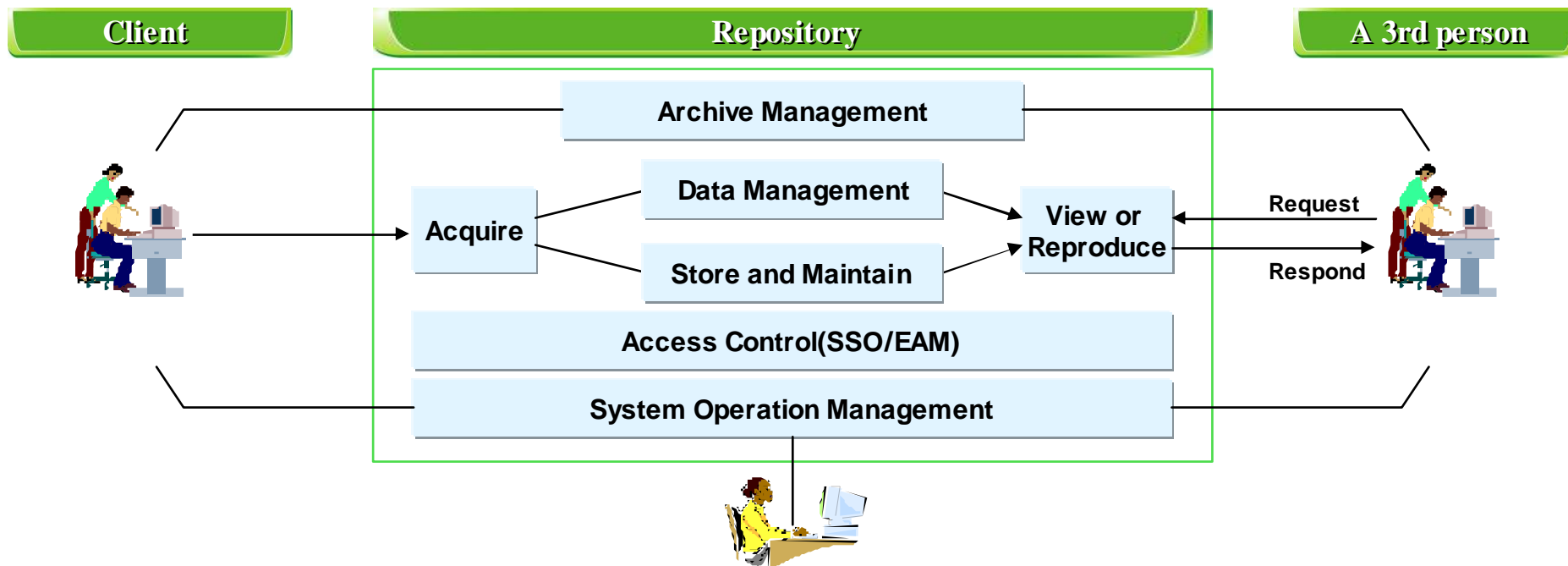
What has to be provided - Fundamental Services of Government Licensed Trusted Document Authority



Examine and maintain the originality of digital document from the each functional step of Trusted Document Authority

Originality of Document/ How to use

- ❑ The acquisition system will obtain the meta data and original document from the document writer
- ❑ The acquisition system will capsule and store the original document, meta data and authentication information. The system will transmit such capsulated information to the storage system.
- ❑ The acquisition system will extract necessary technical information from the meta data, and it will transmit to data management object.
- ❑ Users will use technical information retrieved from the archive DB and access tools to retrieve and request information.
- ❑ The find/read and reproducing system will search and provide for what user wants see

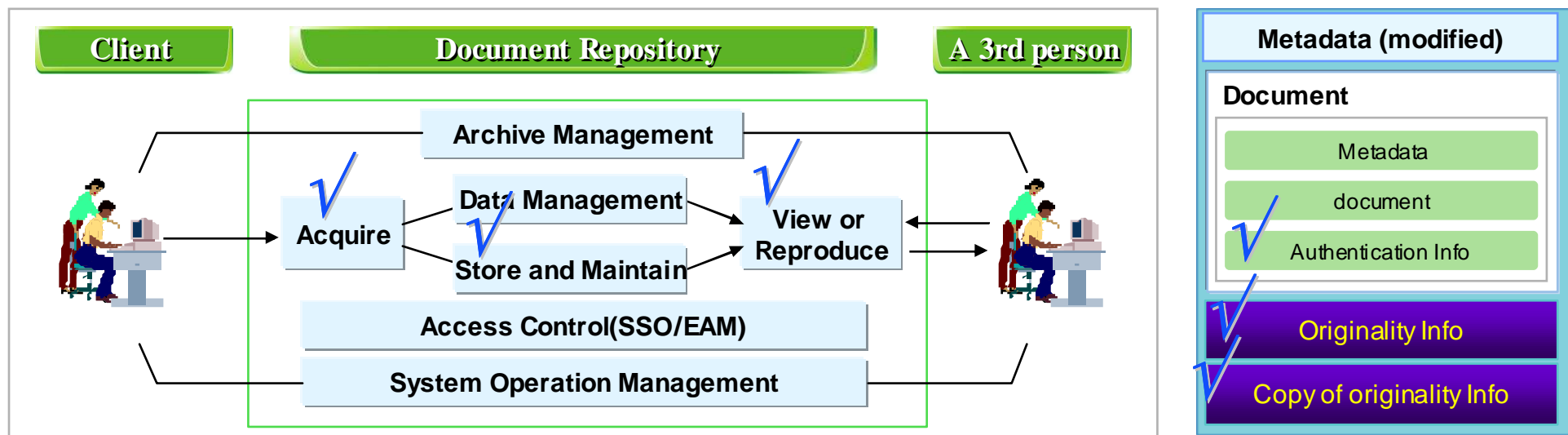


How to verify the originality

► Capsulate Authentication Info and Stored Document

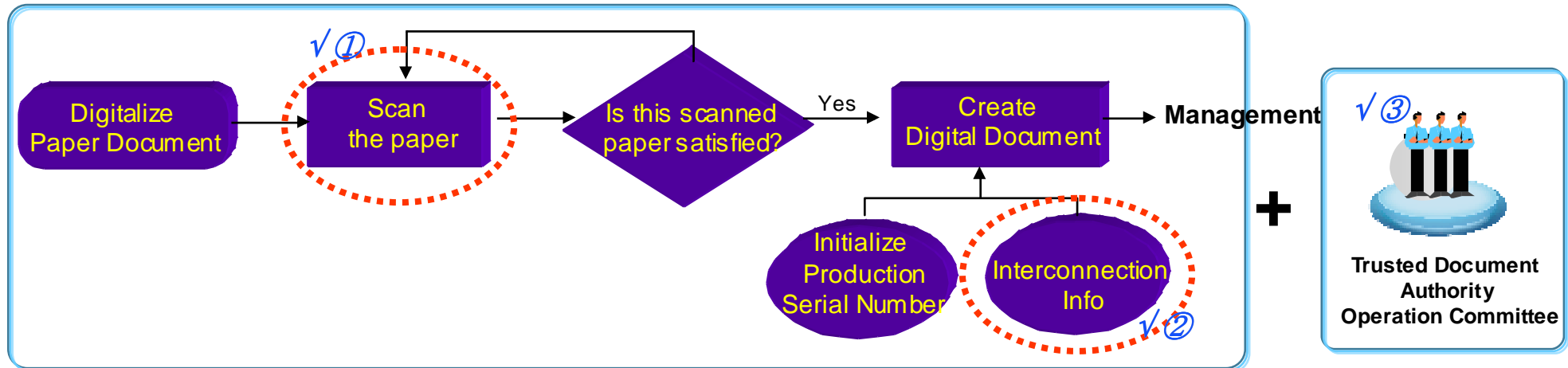
❑ Additional authentication info will be added on each following steps such as Acquire, Store and Maintain, View or Reproduce

- Acquire : Authentication Info to prove that you have acquired correct information from the right person
- Store and Maintain : Authentication Info to prove the originality of document
- View or Reproduce : Authentication info to prove that the reproduction has made following to the procedures and regulations, therefore the reproduced document shall have same effect as with the original document.

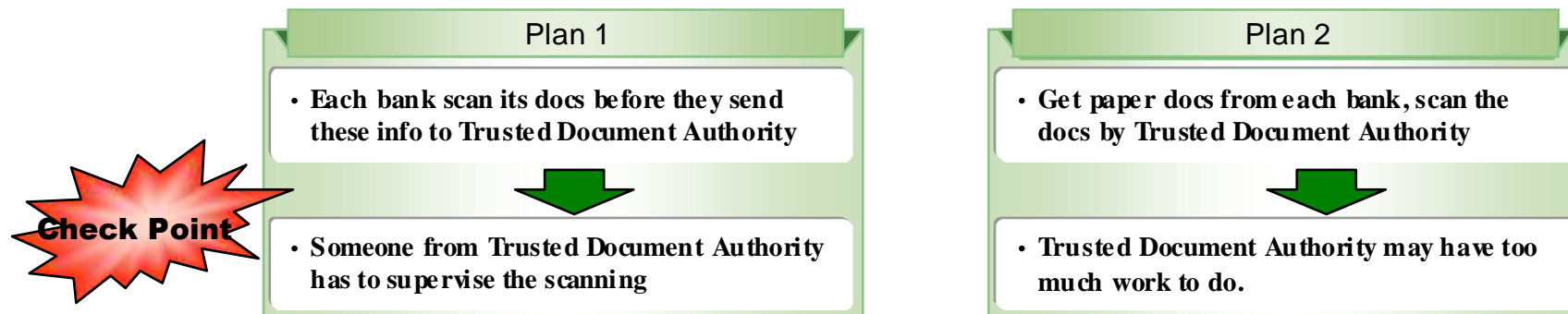


Digitalization of paper document / Prove originality

► Digitalizing Procedure



Concerns for Digitalizing(Scanning) Paper Document





3. Korea e-government

- G4C service(government for citizen)**



To optimize the efficiency and productivity of administration;
to provide a prompt and quality administrative service for citizens

