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# Sub-Regional Workshop and Consultations on Capacity-Building in Travel Document Security: Colombia, 2013

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## ICAO TRIP: Building Trust in Travel Document Security



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## Capacity Building in Travel Document Security and Identity Management in the Americas

- ❖ Organised jointly by ICAO and OAS-CICTE
- ❖ Three year project (2011 – 2013)
- ❖ Funded by the Government of Canada
- ❖ Objective: assist participating states to achieve compliance with the ICAO Annex 9 and Doc 9303 standards, and with the best international practices on travel document issuing



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# Capacity Building in Travel Document Security and Identity Management in the Americas

- ❖ Six sub-regional workshops:
  - Mexico 2011: Mexico and Dominican Republic
  - Panama 2012: Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama
  - Antigua y Barbuda 2012: Western Caribbean States
  - Trinidad y Tobago 2012: Eastern Caribbean States
  - Colombia 2013: Bolivia, Colombia, Ecuador, Perú
  - Chile 2013: Argentina, Brazil, Chile, Paraguay, Uruguay, Venezuela
- ❖ Participants: government officials from Civil Registry, National ID cards and Passport issuing authorities, Migration agencies, MoFA, etc.



# Capacity Building in Travel Document Security and Identity Management in the Americas



Colombia 2013



# Capacity Building in Travel Document Security and Identity Management in the Americas

## ❖ Workshops methodology:

- Presentations by experts and participating states
- Case studies using the “ICAO Guide for Assessing Security Standards for Handling and Issuance of Travel Documents”
- Focus on travel document security and identity management







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# Capacity Building in Travel Document Security and Identity Management in the Americas

- ❖ Technical Consultations on Capacity-Building in Travel Document Security
  - Mission team: lead expert, officials from ICAO and OAS-CICTE
  - Focus on evidence of identification, 'breeder documents', passport security and issuance process, migration control, inter-agency cooperation matters
  - Methodology: fact-finding from diverse sources, visits to key targeted sites like passport, immigration and civil registry offices, study of background documents, legislation and other sources



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# Capacity Building in Travel Document Security and Identity Management in the Americas

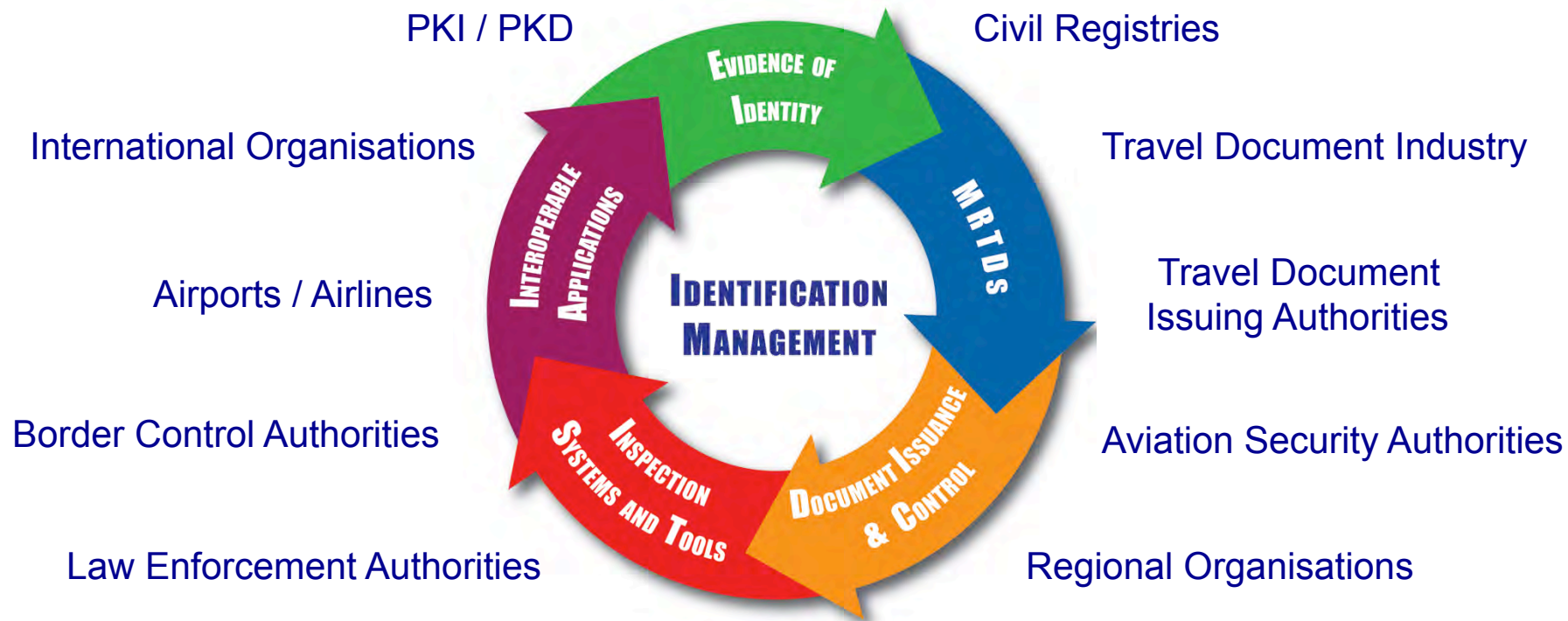
## Lessons learned?



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ICAO TRIP Strategy





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## Evidence of Identity

### ❖ Civil Registries

- Depending most cases on Ministries with no responsibility on MRTD issuance or control
- Ancient organisations, with well-established procedures, according to national laws
- Manual registration processes
- Archives based on certificate books
- Birth registration based on a Live Birth Certificate issued by Public Health Authorities
- Issuing poor security Certificates of Birth

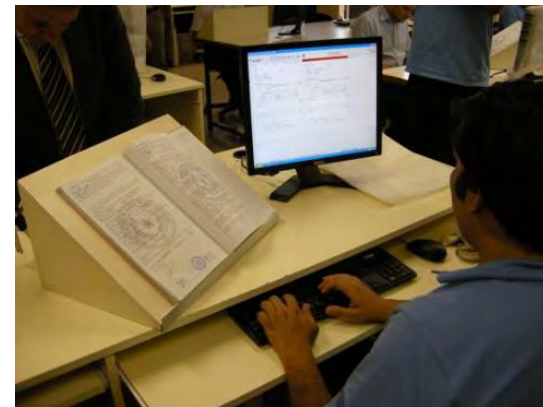




## Evidence of Identity

### ❖ Civil Registries

- Collaboration agreements with Public Health Authorities for birth / death registration at hospitals and maternity units
- Central database for Civil Registries
- Electronic registration processes (centralised / decentralised)
- Electronic registry books
- Certificate books digitalization procedures
- Still issuing poor security Certificates of Birth
- No interoperability with other agencies

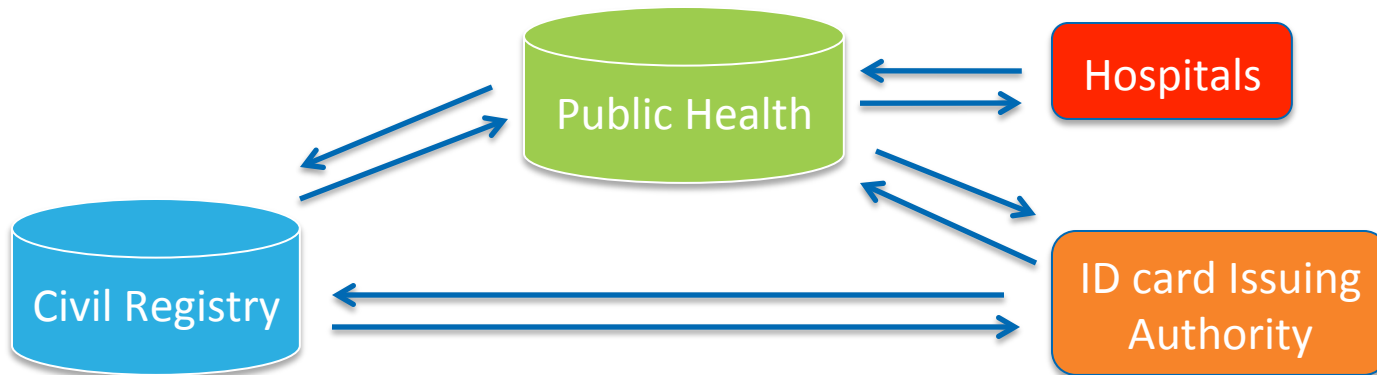




## Evidence of Identity

### ❖ Civil Registries

- Triple collaboration between Civil Registry, Public Health Authorities and ID card Issuing Authorities for ID number assignment at the moment of birth registration

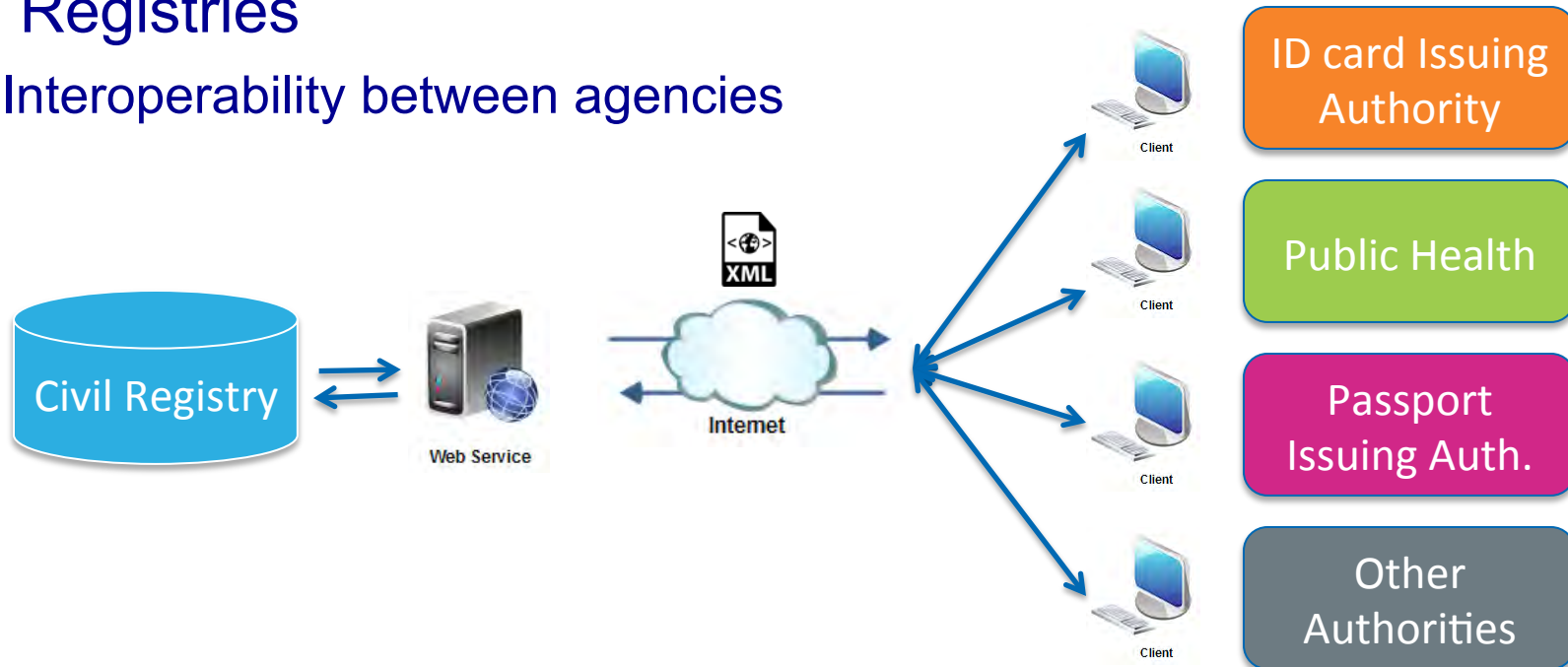




## Evidence of Identity

### ❖ Civil Registries

- Interoperability between agencies







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## MRTDs

### ❖ Travel Document Industry

- Powerful travel document industry
- Solutions available according to ICAO Doc9303
- Great variety of:
  - ✓ Substrates
  - ✓ Security features
  - ✓ Solutions for electronic passports
  - ✓ Personalisation devices and solutions





## MRTDs

### ❖ ID Card Issuing Authorities

- ID Card is regarded as a “breeder document” for passport issuance
- ID Cards are accepted travel documents
- Most ID Cards are not ICAO 9303 compliant:
  - ✓ Simple, easy-to-counterfeit substrates
  - ✓ Weak security features
  - ✓ Personalisation data doesn't comply with 9303
  - ✓ No MRZ
  - ✓ No contactless chip
- Limited control over design & sec. features





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## MRTDs

### ❖ Passport Issuing Authorities

- Most Passports are ICAO 9303 compliant:
  - ✓ Strong security features
  - ✓ Personalisation according to ICAO Doc 9303
  - ✓ MRZ
  - ✓ ePassport
  - ✓ Still room for improvement, however
- Different design & sec. features for consular, diplomatic, service, emergency and other passports
- Limited control over design & security features





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## Document Issuance & Control

### ❖ ID Card Issuing Authorities

- Well-established issuance process
- Issuance application based on proprietary solutions:
  - ✓ Difficult / expensive to maintain
  - ✓ Very difficult to adapt to ongoing requirements
  - ✓ Unable to cope with HW obsolescence
  - ✓ No live capture for biometrics
  - ✓ Most applications require manual data insertion
- Lack of interoperable applications with Civil Registries





## Document Issuance & Control

### ❖ Passport Issuing Authorities

- Well-established issuance process
- Issuance application based on proprietary solutions:
  - ✓ Difficult / expensive to maintain
  - ✓ Very difficult to adapt to ongoing requirements (e.g. electronic passport issuance)
  - ✓ Unable to cope with HW obsolescence
- Lack of interoperable applications with Civil Registries / ID Card issuing authority

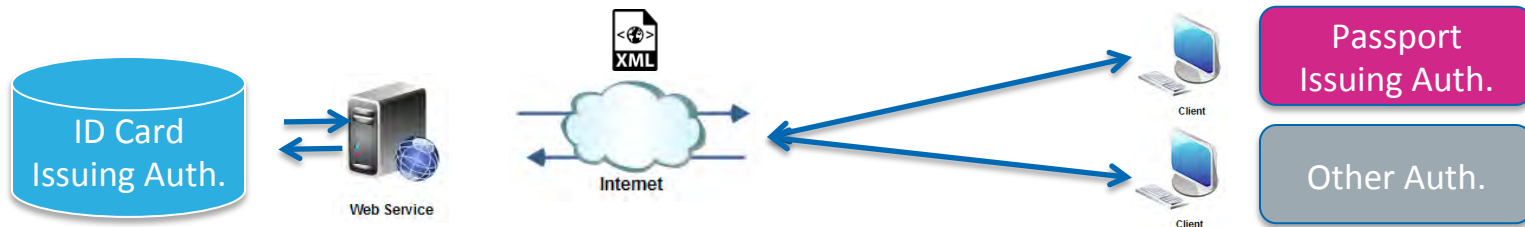




## Document Issuance & Control

### ❖ Travel Document Issuing Authorities

- Existence of live capture for biometrics in certain locations (necessity to extend the solution to all issuance posts)
- More control over the issuance application for better performance and efficiency
- Agreements with other agencies for interoperable applications





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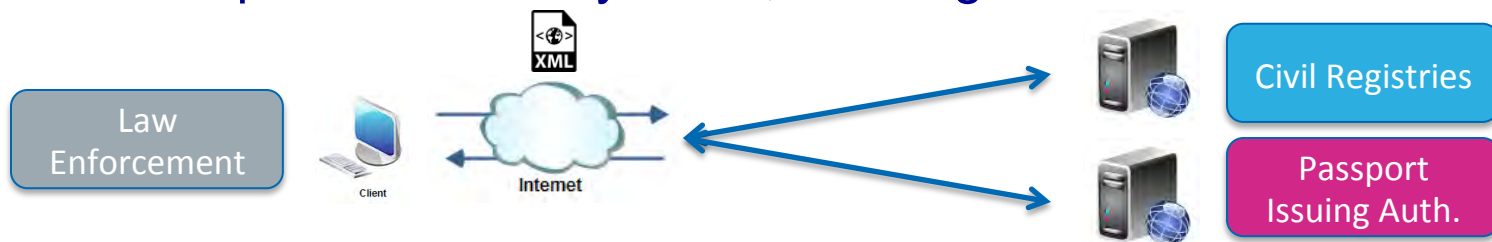




## Inspection Systems and Tools

### ❖ Law enforcement authorities

- Double role in the areas “Document Issuance & Control” and “Inspection Systems and Tools”
- Necessity for continuous capacitation
- Necessity of enquiry tools against databases of Civil Registries, ID and Passport issuance systems, and migration databases



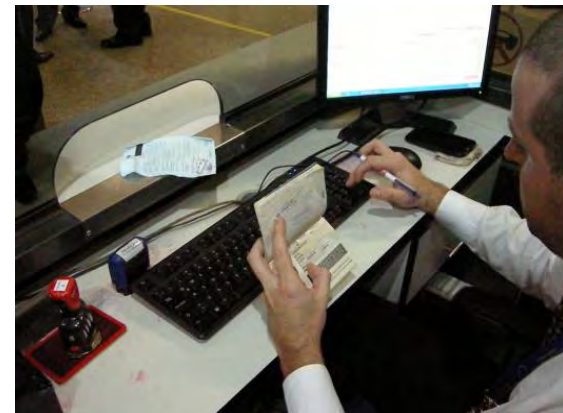




## Inspection Systems and Tools

### ❖ Border Control Authorities

- Necessity for continuous capacitation
- Poor equipment for 1<sup>st</sup> line document inspection (magnifiers, UV lamps, document verifiers)
- Non-existence of 2<sup>nd</sup> line inspection systems
- Migration application based on proprietary solutions:
  - ✓ Difficult / expensive to maintain
  - ✓ Very difficult to adapt to ongoing requirements (e.g. connection to new databases)
  - ✓ Unable to cope with HW obsolescence

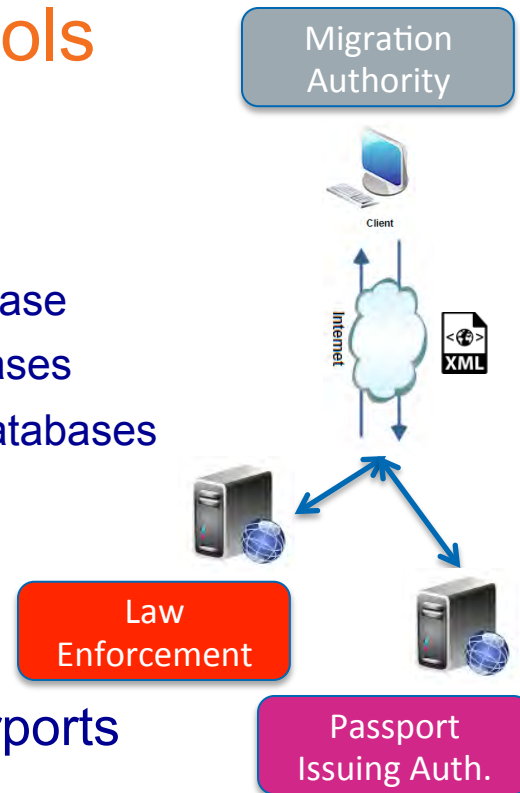




# Inspection Systems and Tools

## ❖ Border Control Authorities

- Migration Control application lacking:
  - ✓ Connection to Interpol lost&stolen passports database
  - ✓ Connection to Law Enforcement Authorities databases
  - ✓ Connection to Passport or ID issuance authority databases
  - ✓ Requiring manual data insertion
  - ✓ Automatic checks for age, expiry date, etc.
- No API or PNR programmes
- Invisible migration for departures at some airports





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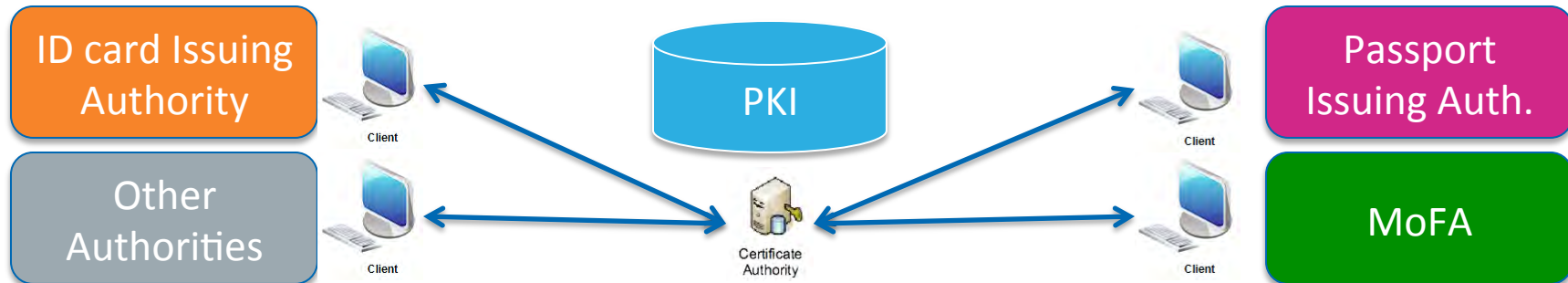




## Interoperable Applications

### ❖ PKI

- e-Government Agencies not involved in Travel Document Issuance
- Existing PKI infrastructures for digital signature for citizens
- Agreement needed for a PKI for Travel Documents
- PKI must be interoperable between agencies





## Interoperable Applications

### ❖ PKD

- States must understand the difference between BAC, AA, EAC, SAC, and implications:
  - ✓ On the PKI requirements
  - ✓ On the ePassport enrolment process
  - ✓ On the ePassport issuing application
  - ✓ On the Border Control Application
  - ✓ On the PKD management







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## Conclusions

- ❖ Interoperable applications is key to success
- ❖ A great effort and commitment between agencies is needed:
  - For sharing data related to identification management, while ensuring:
    - ✓ High communication security
    - ✓ Access control
    - ✓ Efficiency
    - ✓ Traceability
    - ✓ Audit trail



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