Electronic Business Processes in the Administration of Justice. Challenges and Success Factors in the Context of Digital Media.

- General Regulations

- Challenges in E-Justice Solutions

- Strategies for E-Justice Solutions

- E-Justice references

General Regulations

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Digital Agenda 2016 - 2020
E-Government action plan in Europe

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Accelerating the digital transformation…

- Aim
  By 2020, public administrations and public institutions in the European Union should be open, efficient and inclusive, providing borderless, personalised, user-friendly, end-to-end digital public services to all citizens and businesses in the EU.

- Underlying principles
  - Digital by default
  - Once only principle
  - Inclusiveness and accessibility
  - Openness and transparency
  - Cross border by default
  - Interoperability by default
  - Trustworthiness and Security

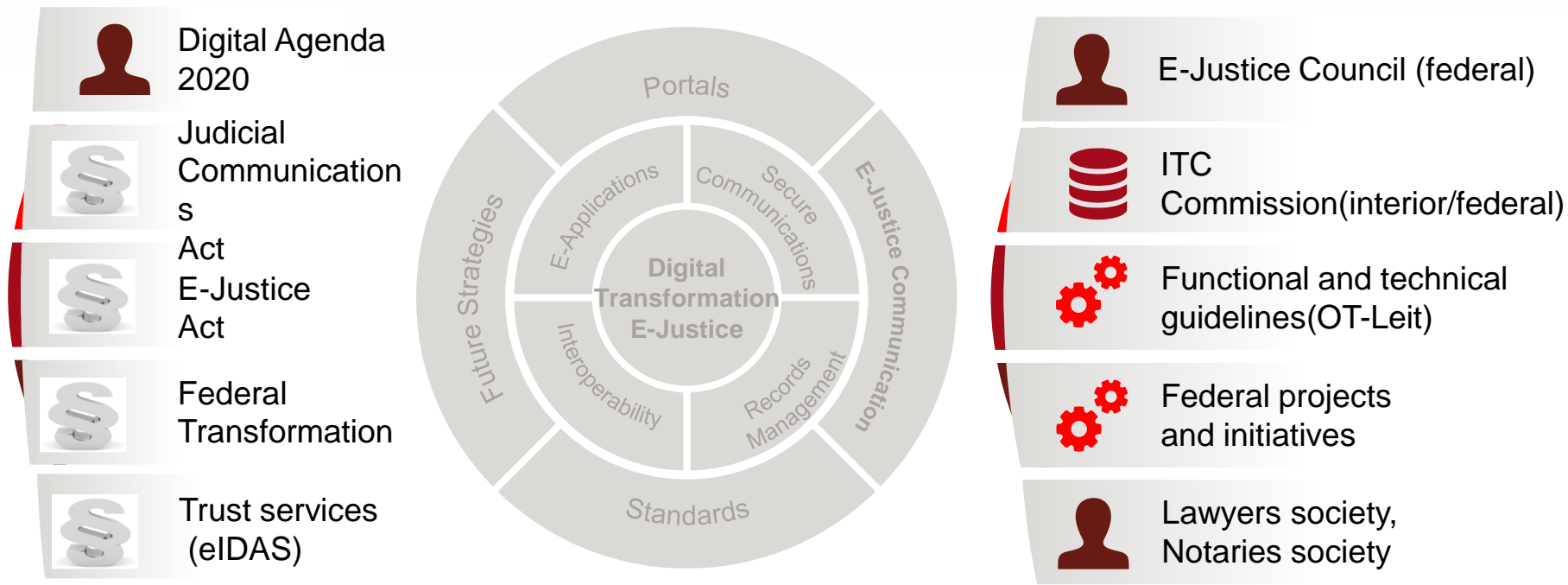# Justice Administration
E-Justice in Europe

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Digital Agenda
2016 - 2020

EU Law

EU Regulations

Member states
Transformation

Trust services
 (eIDAS)

Portals

Secure Communications

E-Applications

Future Strategies

Digital
Transformation
E-Justice

E-Justice Communication

Interoperability

Records Management

Standards

E-Justice Networks

E-Justice Portal

Functional and technical
guidelines

Projects
and initiatives

Lawyers society,
Notaries society

Regulations

Content

Transformation

Justice Administration E-Justice in Germany

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Digital Agenda 2020

Judicial Communications Act

E-Justice Act

Federal Transformation

Trust services (eIDAS)

Portals

Secure Communications

E-Justice Communication

Future Strategies

E-Applications

Digital Transformation E-Justice

Interoperability

Records Management

Standards

E-Justice Council (federal)

ITC Commission(interior/federal)

Functional and technical guidelines(OT-Leit)

Federal projects and initiatives

Lawyers society, Notaries society

Regulations	Content	Transformation

Justice Administration
E-Justice in Germany

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E-Justice communication

- **2016.01.01: Advanced lawyer's postbox (beA)**
  - Implementation and operation of a specific mail system for the communication between lawyers , notaries and courts

- **2018.01.01: E-Justice communication with courts**
  - All courts of civil, labor, financial, social and administrative justice are open E-Justice communication.
  - Acceptance of electronic documents by court; electronic confirmation, legally binded via lawyer's postbox

- **2022.01.01: Deadline of E-Justice communication**
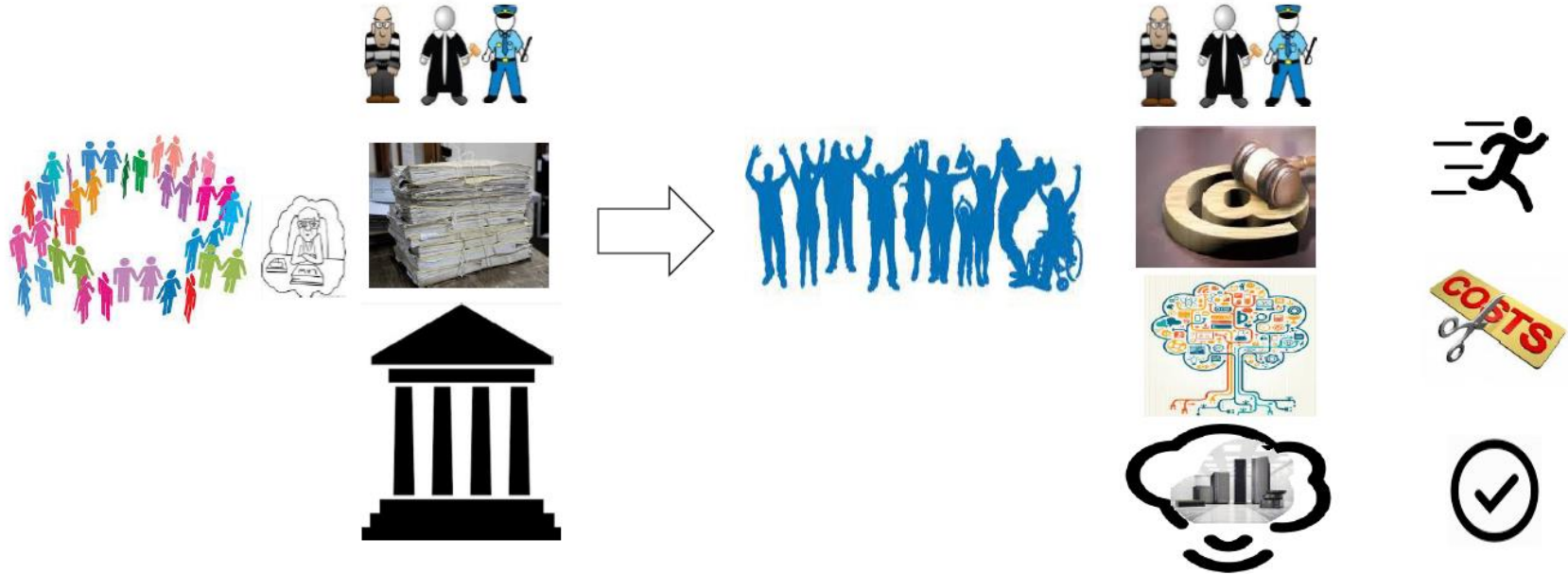 - Lawyers are legally obligated to communicate exclusively with E-Justice Communication (beA)

Requirements in E-Justice solutions

Business processes

Traditional versus electronic models

Electronic model makes justice more accessible, speed ups processes, cuts costs and increases quality

Applications

Motivation, objectives

- Service oriented architectures (SOA)

Business process layer — Court — Office applications — Applications for Justice — Applications for Justice — Prosecution Department — Administration — Applications

Integration layer — Records Management — Document management — Workflow

E-Justice Communication — beA, beN (postboxes) — Input-Management (Scan solutions) — De-Mail (E-delivery)

E-Communications

- Multi Channel Support

User centric records management

- Service oriented
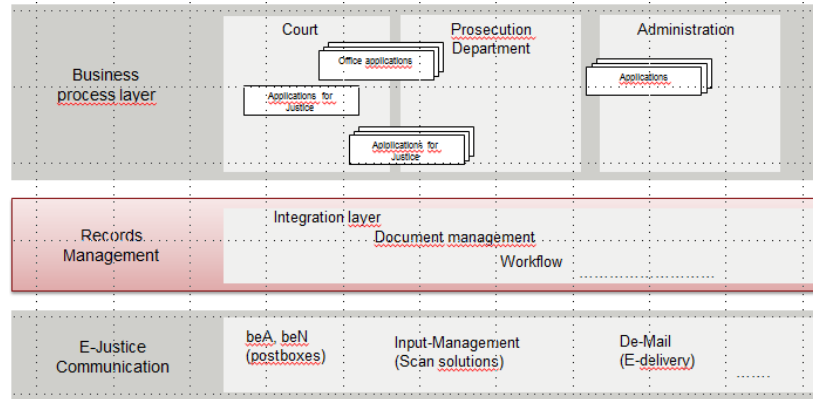
Security

- Standards

Record Management Solutions

- Standard product versus individual development

ITC- Standards for Justice

- Identity Management
- Interoperability
- Architectures (SOA)

Data Center Infrastructures

- Internal Services
- Industry Services (cloud based)

Infrastructures (Clients)

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- ■ **User centric workplace**

  - ■ Based on specific user profiles (Judge, attorney,..)

- ■ **Mobility**

  - ■ Smart devices for mobile solutions
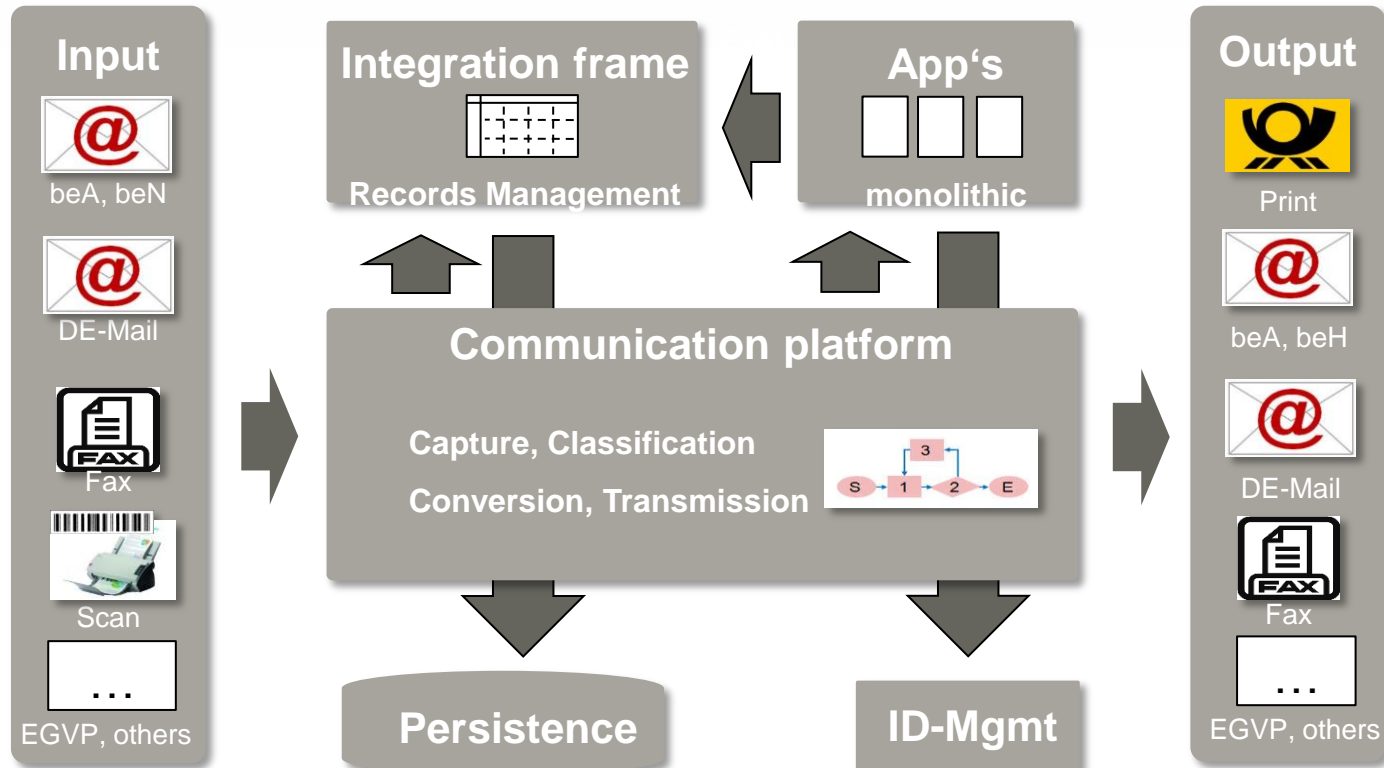
- ■ **Access Management, legally binded**

  - ■ Biometric Solutions (Electronic Identities)

  - ■ Solutions for E-Signatures

Strategies for E-Justice solutions

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Initial situation in Germany

- Status quo
  - Media breaks in business proccesses
  - Monolithic applications…built in decades of software development
  - Closed shop solutions, less collaboration
  - But …they work well for many years!

- Pragmatic Recommendations
  - I: Integration in client based frameworks
  - II: Adaption of standard products (records management solution)
  - III: Federal association for software development

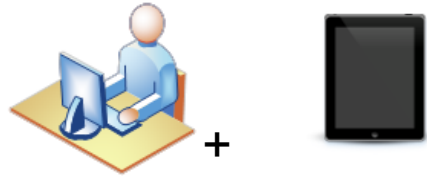# Integration in client based frameworks Concept

Input

beA, beN

DE-Mail

Fax

Scan

. . .

EGVP, others

Integration frame

Records Management

App's

monolithic

Communication platform

Capture, Classification

Conversion, Transmission

Persistence

ID-Mgmt

Output

Print

beA, beH

DE-Mail

Fax

. . .

EGVP, others

Integration in client based frameworks
Client view

User

Services

Integration framework

- Personalised
- Role specific views
- Navigation
- Integration
- Context sensitive control for business app's

	Application Control
Navigation	

Business applications

Judicial editor applications

Judicial Case Management

Office applications

DMS Services

Scan   Archive

eSignatures

E-Justice References

- Future workplace for Justice

- Trial recording system

- Trustworthy archiving solutions

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Future workplace for Justice

Future workplace for Justice Biometrics, eSignatures

PalmSecure: Authentication, based on palm vein scan

Your hand is your key

- Hidden under the skin
- Unique, even among twins
- Never change, same throughout life
- Detectable only when blood is flowing
- Common Criteria Certification
- Contactless usage

eSignatures: electronic declaration of intention

- Keyboards with integrated chipcard readers
- Server based Signatures (eIDAS)

Bundesamt für Sicherheit in der Informationstechnik

Deutsches IT-Sicherheitszertifikat
erteilt vom Bundesamt für Sicherheit in der Informationstechnik

BSI-DSZ-CC-0511-2008
biometric verification system
PalmSecure SDK Version 24 Premium
from   Fujitsu Limited
PP Conformance: None
Functionality: Product specific Security Target;
                         Common Criteria Part 2 conformant
Assurance: Common Criteria Part 3 conformant
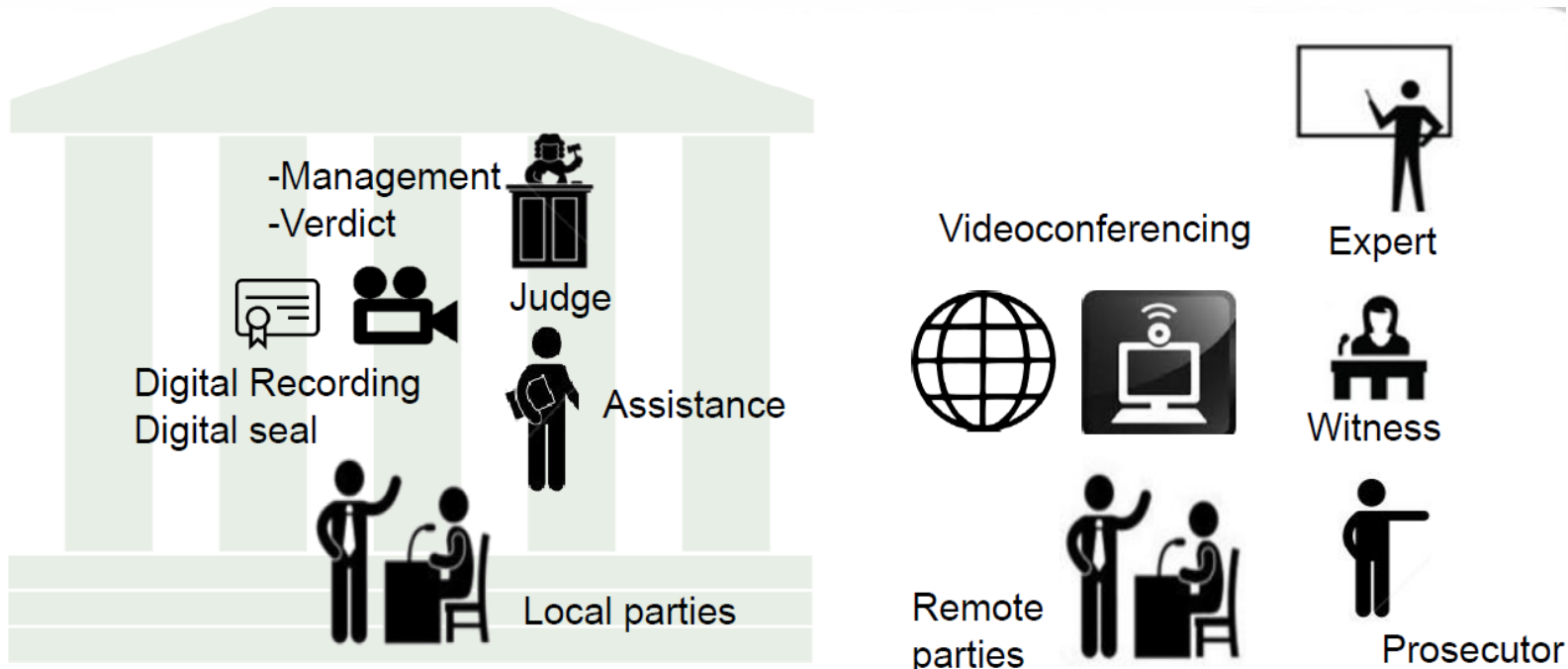   EAL 2

Common Criteria
Recognition
Arrangement

Common Criteria

D-TRUST card 2.0 2c   qualified

Thomas Groß

Gültig bis: 21.03.2008
ID: DTREX174463786320112

D-TRUST

Trial recording system the idea

- Management
- Verdict

Judge

Digital Recording
Digital seal

Assistance

Local parties

Videoconferencing
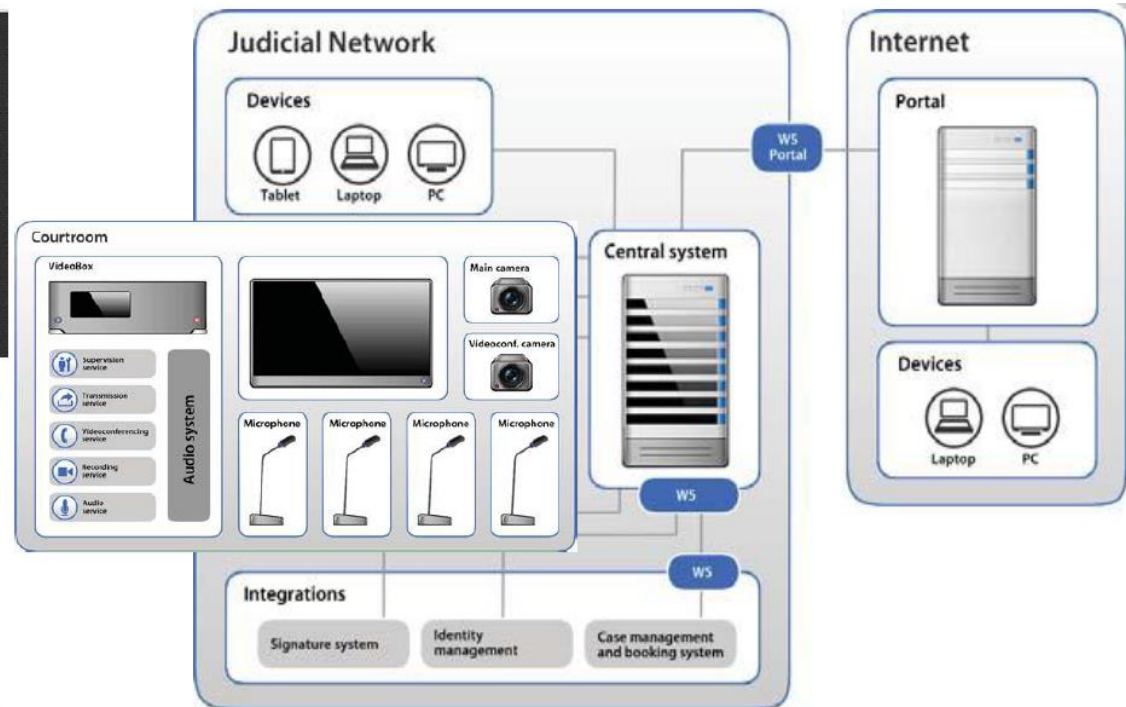
Expert

Witness

Remote parties

Prosecutor

Not all persons are required to be present in the courtroom. Only a person starts and stops the recording and assist the judge. Recording is part of the electronic process.
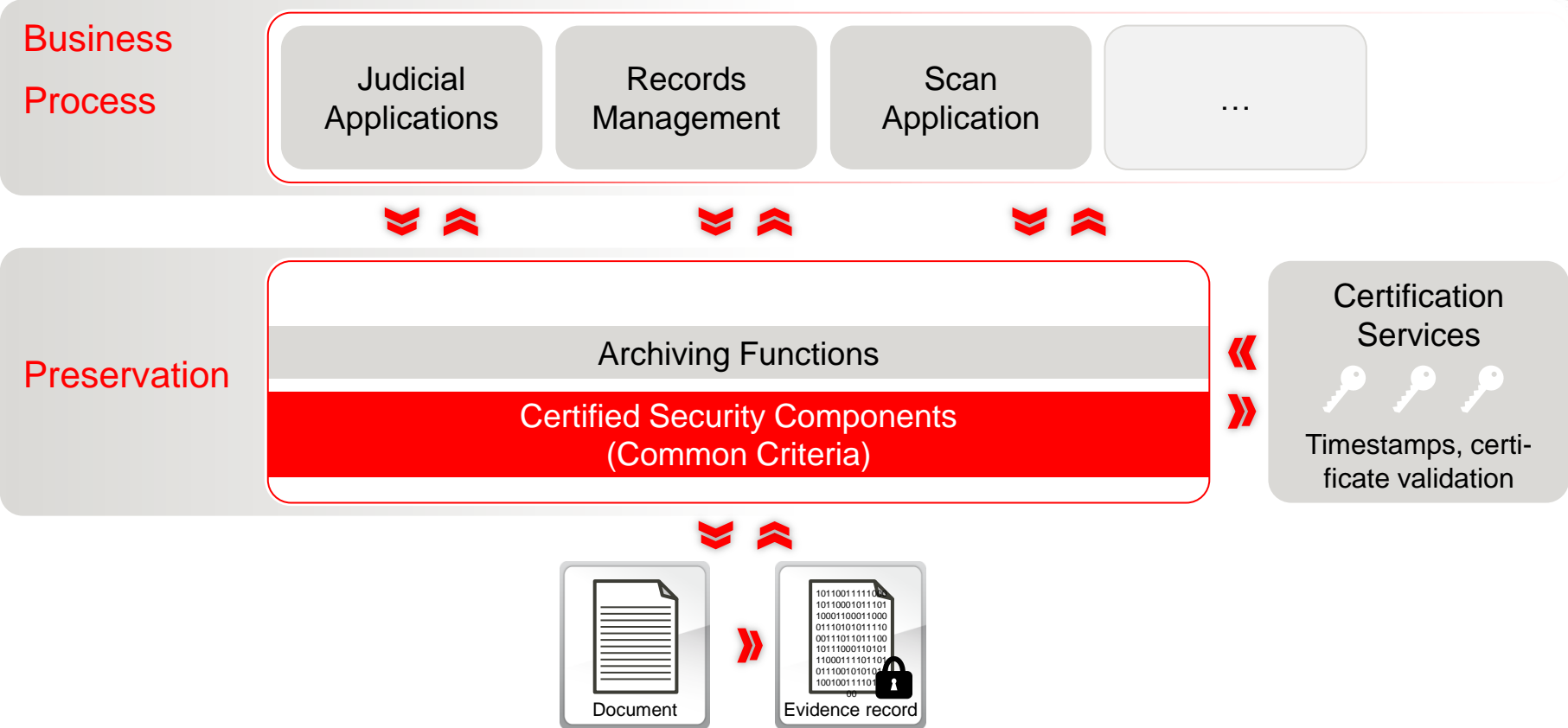
Trial recording system
the concept
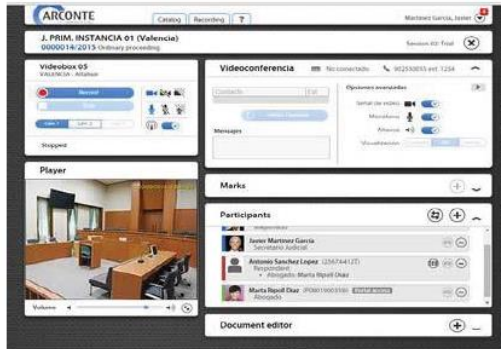
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Centralized solution
Cloud ready
Control center
Web services
Mobility
Internet portal
Digital signature

Archiving solutions
Retention Management

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Business Process

- Judicial Applications
- Records Management
- Scan Application
- …

Preservation

Archiving Functions

Certified Security Components
(Common Criteria)

Certification Services

Timestamps, certi-ficate validation

Document

Evidence record

Profile

FUJITSU

Peter Falk, peter.falk@ts.fujitsu.com

■ **Function**

Strategic IT Consultant

Vertical expert Justice (Germany/Europe)

■ **Profile**

Account Consultant for [inter]national eJustice Solutions

- ■ Secure Business Processes
- ■ Secure Communications (electronic identities)
- ■ Enterprise Content Management (long term archiving, legal security)