



## **ETSI TS / EN for CAs**

**CA Assessment and Certification under the European scheme**

Matthias Wiedenhorst



# Contents

## TSP Assessment and Certification

- **Basics**
  - TS > EN Migration
  - CAB Accreditation
- **Assessment**
  - Document Requirements
  - Assessment
- **Certification**

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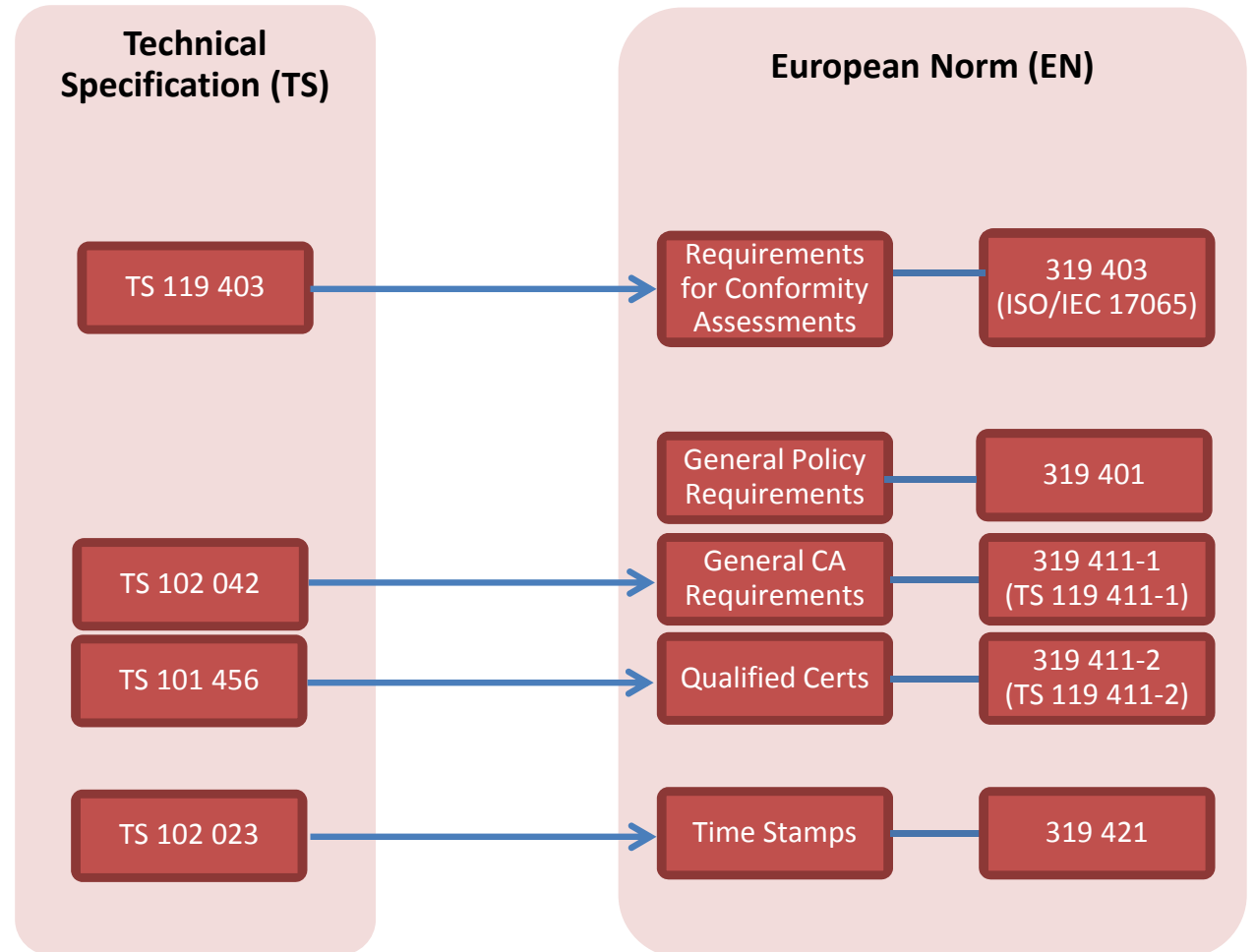
## TSP Assessment and Certification

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# Standardisation Framework

## ETSI Norms for TSPs operations

**Migration  
path from  
ETSI TS  
to  
ETSI EN**

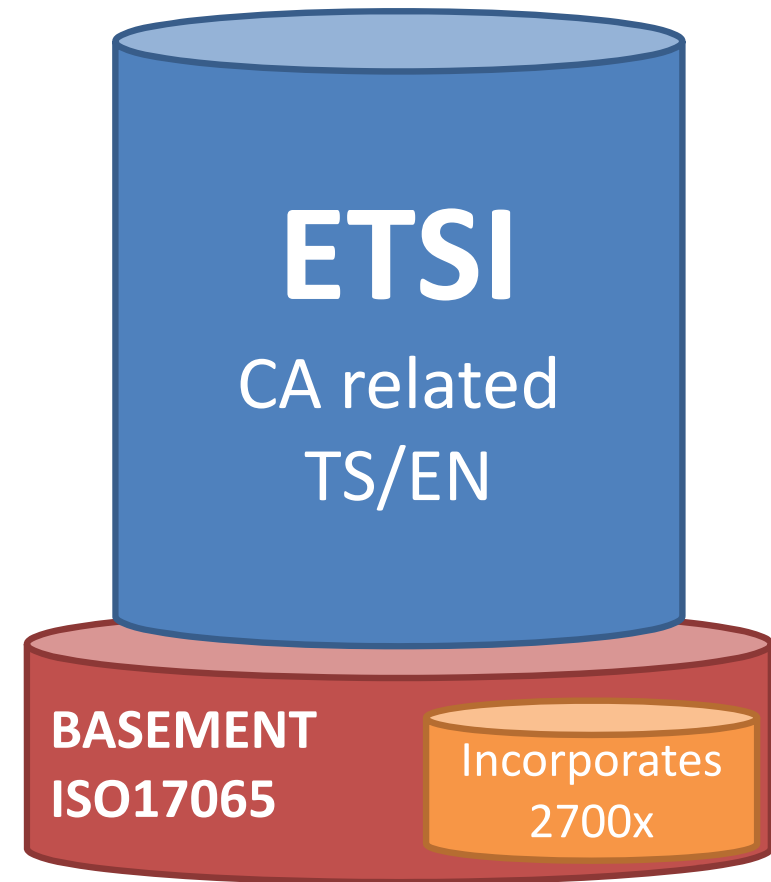


# Accreditation for CAB assessing TSP

## ETSI EN 319 403

### ETSI EN 319 403

- applies ISO/IEC 17065 and amends it by CA specifics
- refers to
  - ETSI EN 319 401, ETSI EN 319 411-1, ETSI EN 319 411-2, ETSI EN 319 421 and
  - Regulation (EU) No 910/2014
- incorporates ISO/IEC 2700x for CA related ISMS



# Accreditation for CAB assessing TSP

ETSI EN 319 403

## CAB Accreditation (ISO/IEC 17065)

- Goal:

ensure competence, consistent operation and impartiality of conformity assessment bodies assessing and certifying conformity of trust service providers (TSPs)

<http://www.european-accreditation.org/mla-and-bla-signatories>

# Requirements for CAB assessing TSP

ETSI EN 319 403

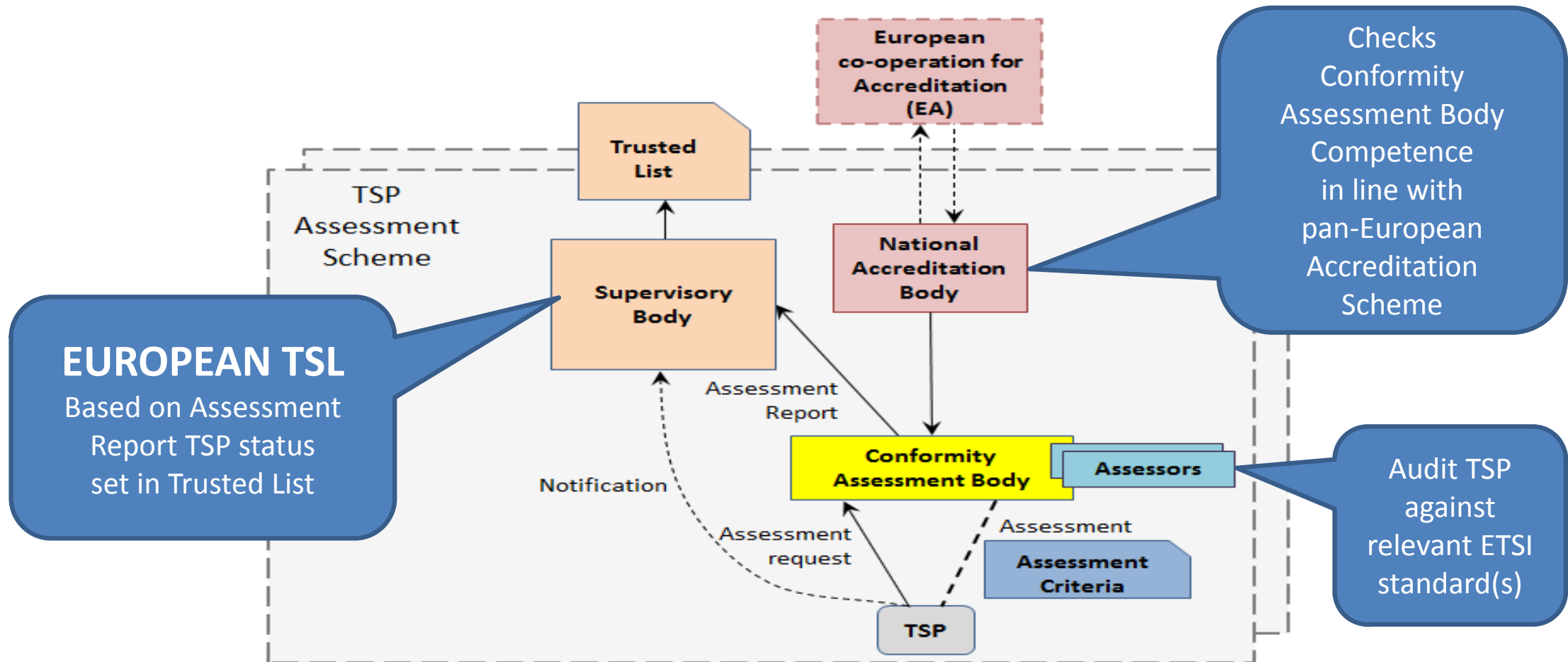
## Accredited Conformity Assessment Bodies Council

### The ACAB'c:

- Founders: TUViT (Germany), LSTI (France)
- Represents accredited CABs
- ACAB code of conduct for CABs
- Other members:  
CAs, Supervisory Bodies, Browsers, Users, etc.



# European Assessment Framework for TSP



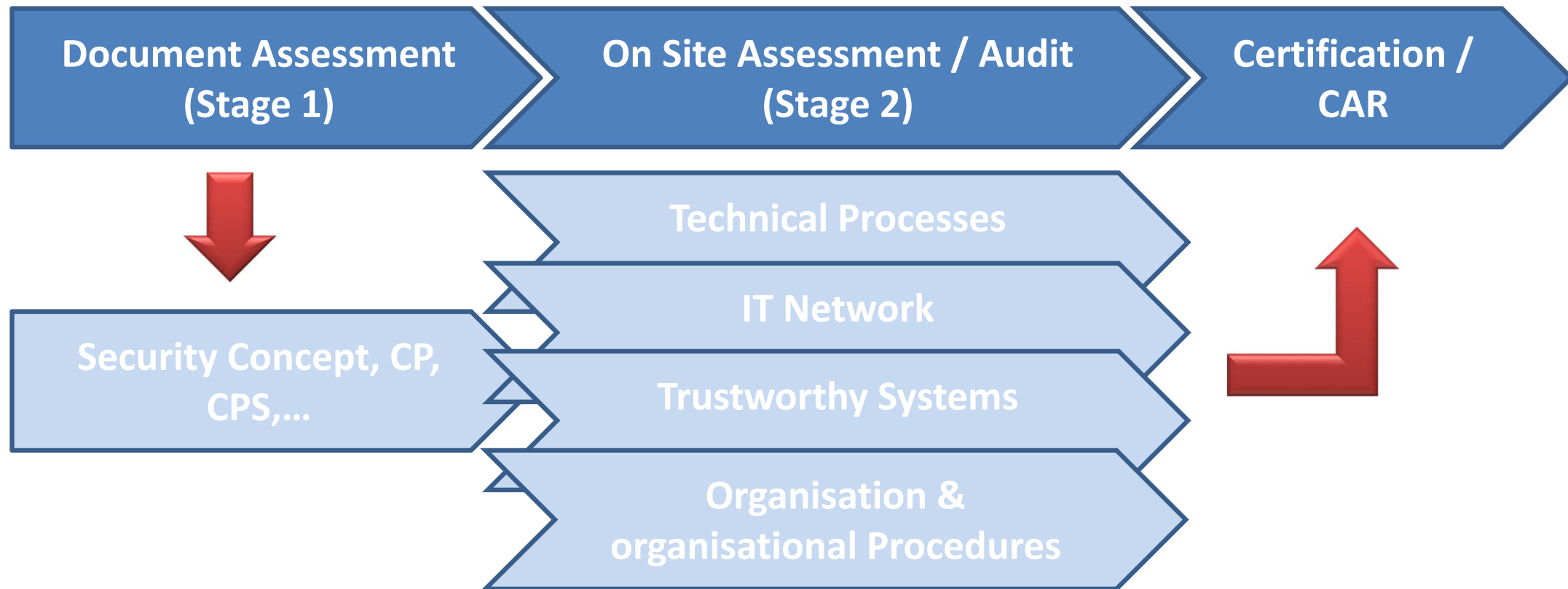


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# CA Assessment and Audit Process



# Principle elements of conformity assessment

## ETSI TS / EN

### **1. Document assessment (security concept / operations) - Stage 1**

- all necessary technical, functional and organisational security measures and
- their appropriateness for fulfilment of eIDAS requirements

### **2. On-Site assessment - Stage 2**

- verify implementation of security measures
- including technical and penetration testing

### **Results report**

- scope: identification of the TSP, service and policy
- content and summary of conformity assessment activities
- additional content as required by supervisory authority

# CA Assessment and Audit Process

Document Assessment  
(Stage 1)



Security Concept, CP,  
CPS,...

## Document assessment - Stage 1

- remote check CA set of policy and operational documents
- find an appropriate measure described for every single ETSI requirement
- auditor judges measure for appropriateness and completeness

# CA Assessment and Audit Process

On Site Assessment / Audit  
(Stage 2)

Technical Processes

IT Network

Trustworthy Systems

Organisation &  
organisational Procedures

## On-Site assessment - Stage 2

Technical Processes:

Spot check of technical security functions

- Cryptographic algorithms
- Trusted channels
- etc.

# CA Assessment and Audit Process

On Site Assessment / Audit  
(Stage 2)

Technical Processes

IT Network

Trustworthy Systems

Organisation &  
organisational Procedures

## On-Site assessment - Stage 2

IT Network:

Check of relevant CA network

- Management
- Penetration testing
- Vulnerability analysis

Oriented on CA/B-Forum Network security requirements.

# CA Assessment and Audit Process

On Site Assessment / Audit  
(Stage 2)

Technical Processes

IT Network

Trustworthy Systems

Organisation &  
organisational Procedures

## On-Site assessment - Stage 2

Trustworthy Systems:

- Check of HSM identification, certification and mode of operation
- etc.



# CA Assessment and Audit Process

On Site Assessment / Audit  
(Stage 2)

Technical Processes

IT Network

Trustworthy Systems

Organisation &  
organisational Procedures

## On-Site assessment - Stage 2

Organization:

Evidence check for

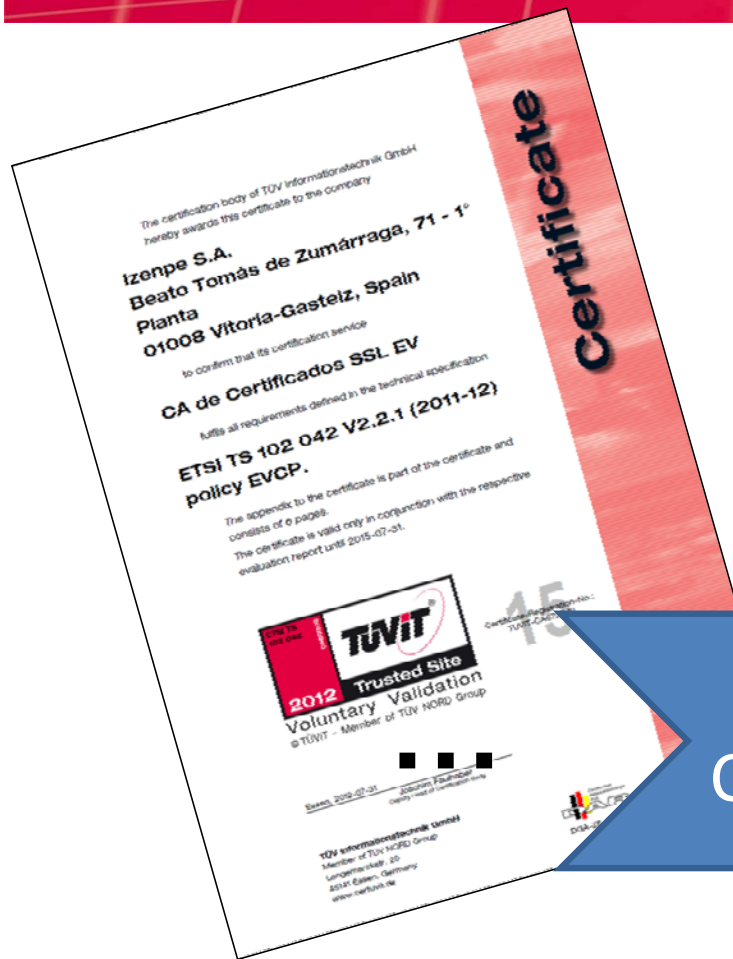
- IT Security Management
- CA operations (incident and risk mgmt. including follow-up, etc.)
- Personnel security
- etc.

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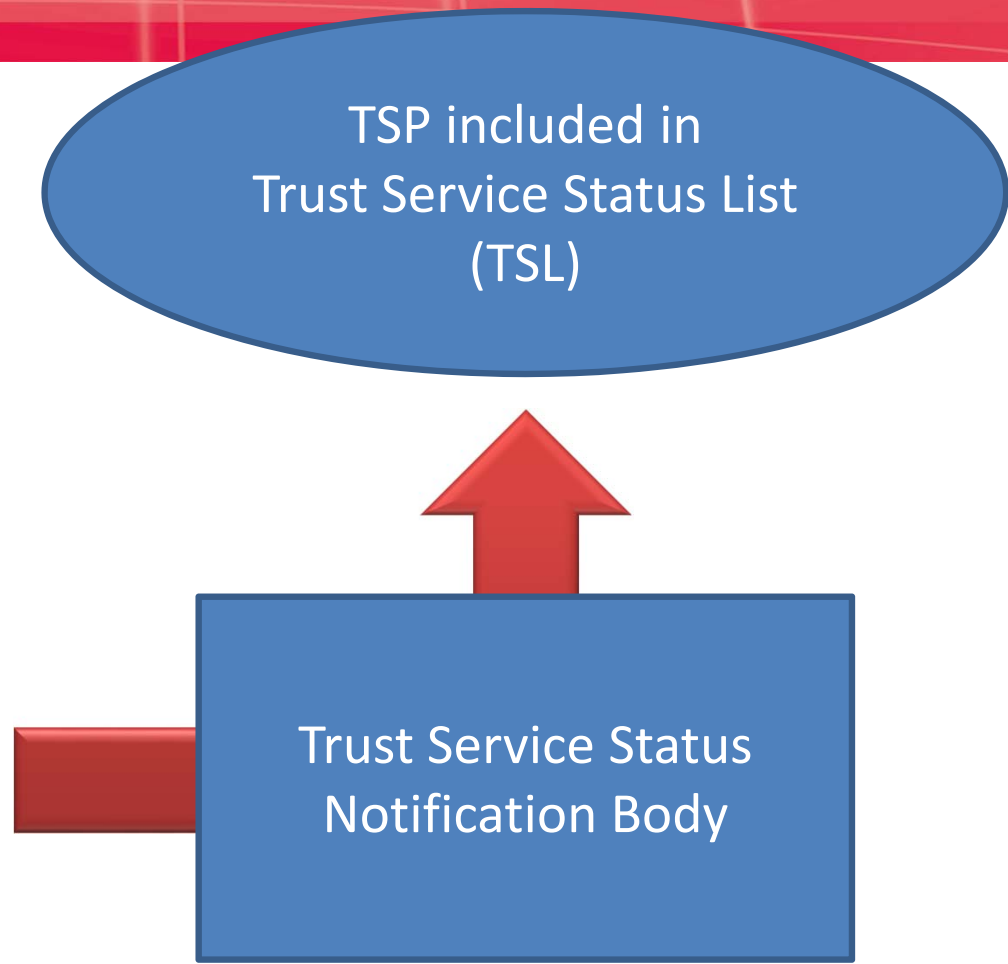
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# Certification



TSP  
CAR (+Cert)



Questions?

# TÜV Informationstechnik GmbH

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# CA Certification



The certification body of TÜV Informationstechnik GmbH hereby awards this certificate to the company

**Izenpe S.A.**  
**Beato Tomás de Zumárraga, 71 - 1º**  
**Planta**  
**01008 Vitoria-Gasteiz, Spain**

to confirm that its certification service

**CA de Certificados SSL EV**

fulfils all requirements defined in the technical specification

**ETSI TS 102 042 V2.2.1 (2011-12)**  
**policy EVCP.**

The appendix to the certificate is part of the certificate and consists of 6 pages.

The certificate is valid only in conjunction with the respective evaluation report until 2015-07-31.



Certificate-Registration-No.:  
TUVIT-CA6725.12

**Voluntary Validation**  
© TÜVIT - Member of TÜV NORD Group

Essen, 2012-07-31  
Joachim Faulhaber  
Deputy Head of Certification Body

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**Certificate**