

# Brussels Interoperability Group (BIG)

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Chair and Co-Chair

# BIG

- History
- Terms of Reference
- Members
- Road Map
- Scope of EAC Specification

# History

- Article 6 Technical Sub Group
  - EAC specification
- Essen Group
- BIG works under the authority of the Article 6 Committee.

# Prime Aim

- To act as the focal point for resolving all technical issues that arise from the development, implementation and application for EAC including a Certificate Policy.
- BIG will attempt to reach consensus on technical issues.

# Reach Consensus

- When consensus is reached, or when, in the majority opinion of the BIG, it is decided that consensus cannot be reached, the BIG will report to the Article 6 Committee.
- If there is no consensus, the report shall include an explanation of the different viewpoints and the arguments behind them. In all cases the Article 6 Committee shall take the final decision.

# Terms of Reference

- Finalise the Certificate Policy
- Interpret the EU Technical Specifications and work towards clarification whenever necessary;
- Set up a pilot implementation of Extended Access Control (EAC).
- Provide guidelines to EU Member States and Schengen States on the implementation of EU Technical Specifications.
- Keep non-participating EU Member States and Schengen States informed, to assist their introduction of the EU Technical Specifications and inform other states about the interpretation of EAC;

# Terms of Reference

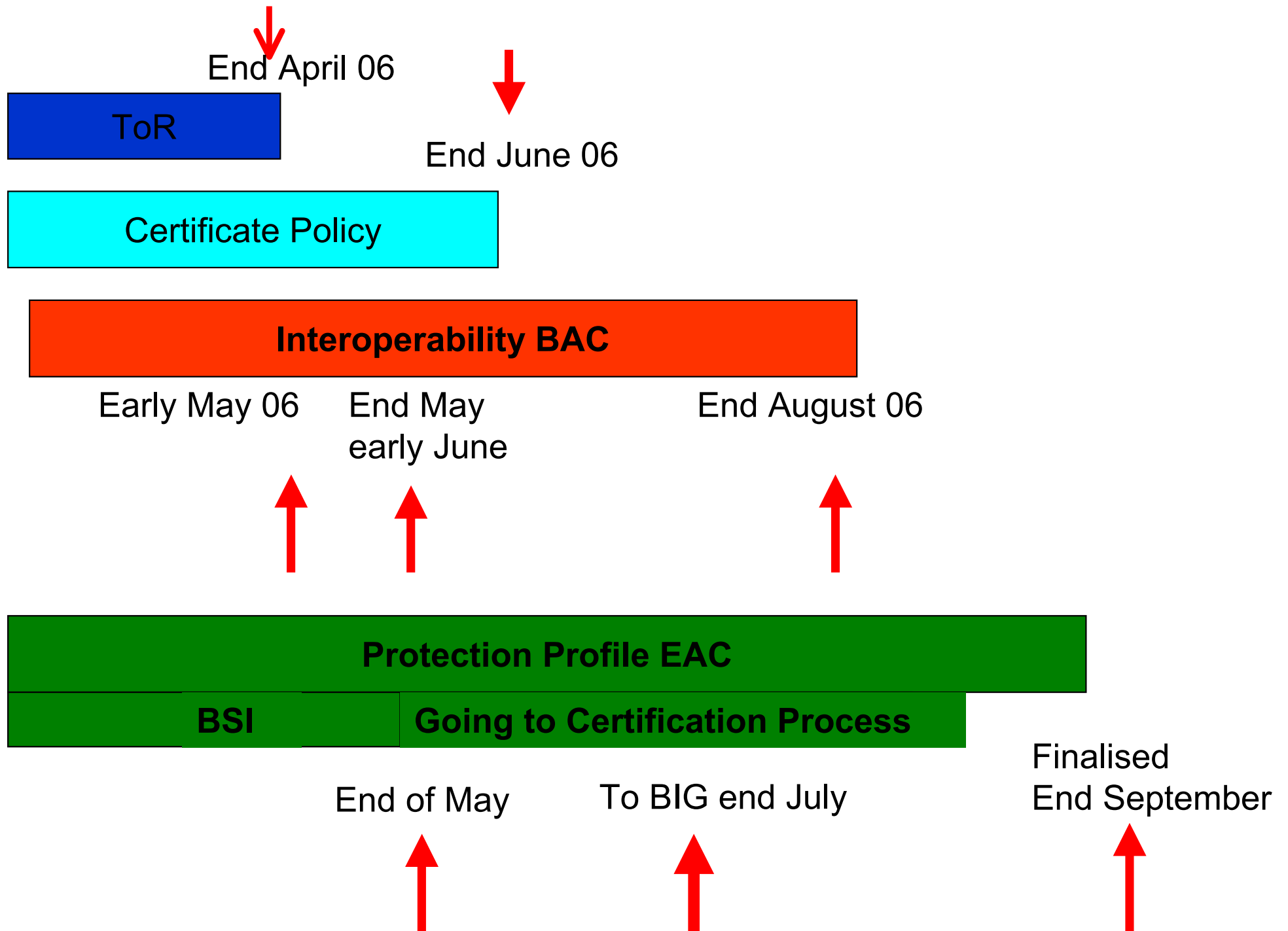
- Develop, coordinate and implement the EU wide testing strategy, to ensure full interoperability for passports and travel documents.
- Should it become clear that the technical specifications require further clarification or amendment, prepare the necessary input and submit it to the Article 6 Committee.
- Offer support to the establishment of international standards for interoperability testing.

# Membership

- BIG is open to all EU and Schengen Member States on a voluntary basis and to the European Commission. However, active participation is encouraged, and sharing information between participants is necessary.
- Membership is open to Government and European Commission representatives but BIG may invite other persons, e.g. industry representatives, to consult on specific issues as appropriate

# Current Members

- Belgium
- Finland
- France
- Germany
- Iceland
- Ireland
- Italy
- Latvia
- Poland
- Portugal
- Spain
- The Netherlands
- UK
- Slovenia
- Sweden
- European Commission (JRC Secretariat and DG JLS)



**EAC Specification**

MS individual evaluation

Share issues of concern

Resolve issues



September 06



December 06

**EU Agreed Specification**



March 07

# EAC Development

Specification



March 07, Yes/No to Article 6

Prototype PKI

Prototype Reader



September 07



Pilot EAC

Mid 08

**Interoperability  
With MS**

# EAC Scope

- High Level Objectives
- Schematic of changes

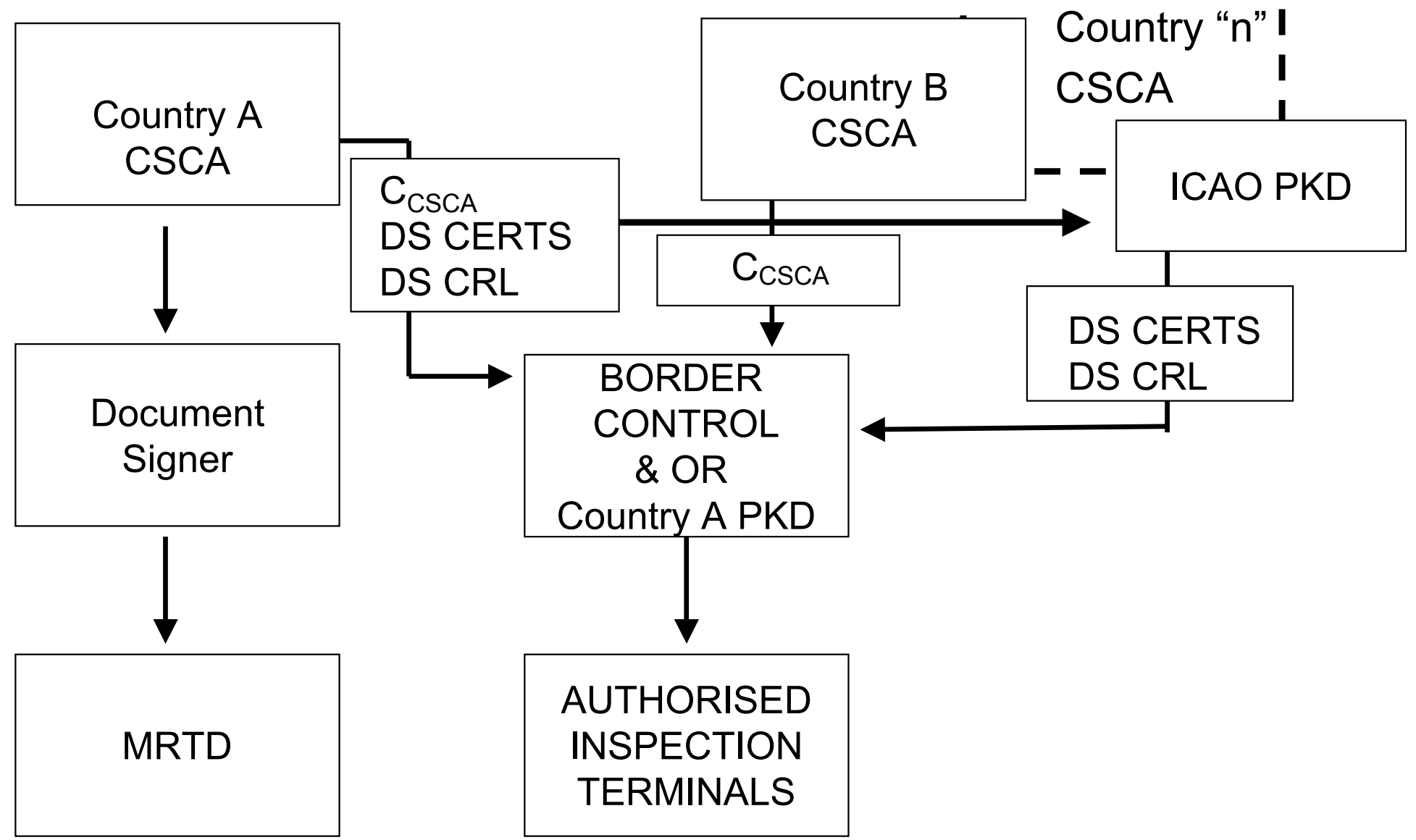
# Objectives of Legislation

- Enhance EU Border Security
- Provide greater Passport holder verification
- Issuer authorises Border Control readers
- Strengthening BAC for Facial Biometric Passports within EU (will have implications on BAC outside of EU)

# Prime Features

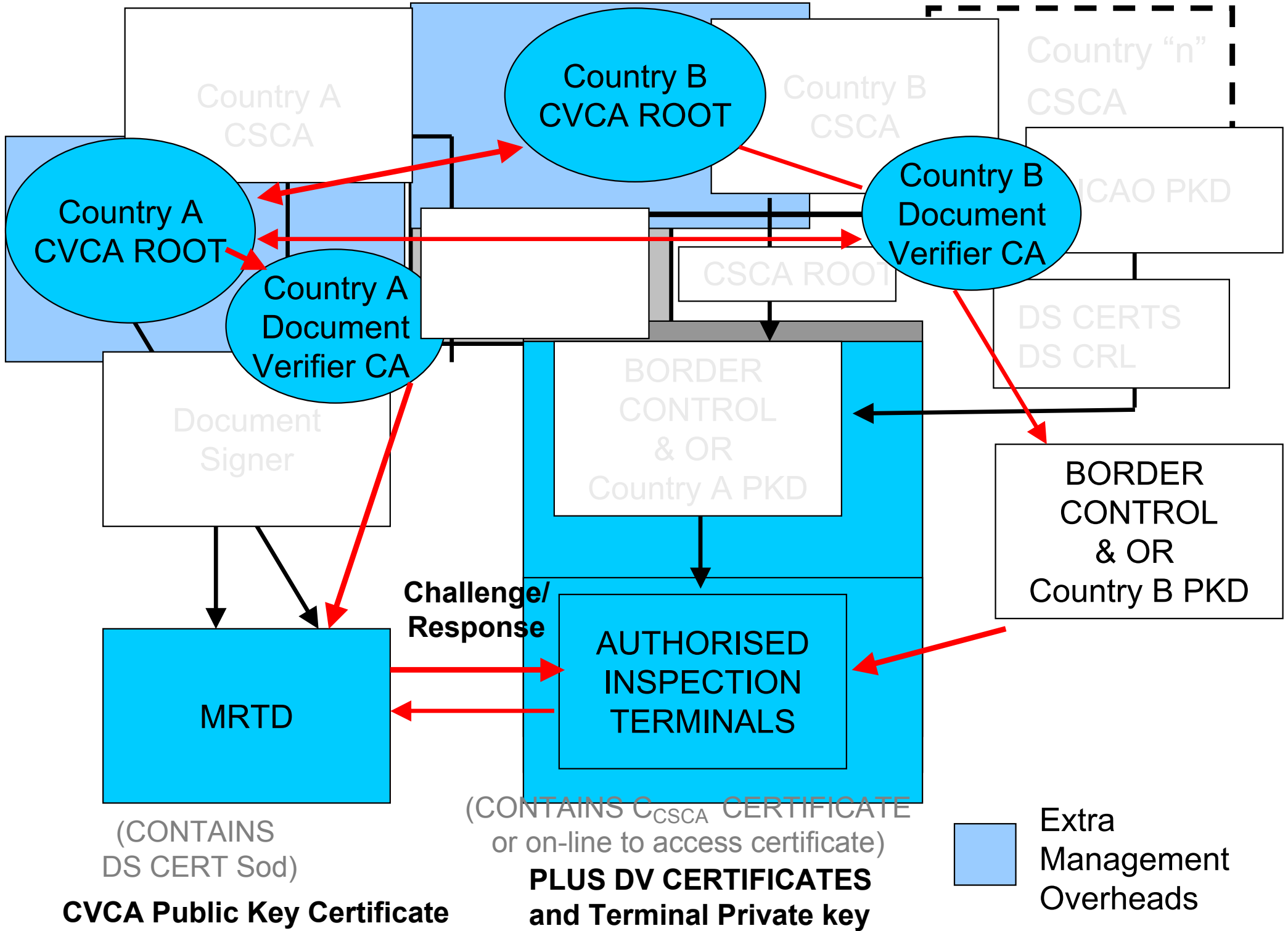
- Minimum of 2 finger images
  - Conform to ISO 19794-4 Finger Image Data Format
  - Age of capture – To be defined
    - Current proposals suggest enrolment at 11 or 12 years
- Extended Access Control protocol covers
  - Chip Authentication
  - Terminal Authentication

# ICAO PKI- Current Implementation



(CONTAINS DS CERT Sod)

(CONTAINS  $C_{CSCA}$  CERTIFICATE or on-line to access certificate)



**CVCA Public Key Certificate**

(CONTAINS  $C_{CSCA}$  CERTIFICATE or on-line to access certificate)  
**PLUS DV CERTIFICATES and Terminal Private key**

Extra Management Overheads

# Country A

CSCA

Document  
Signer

MRTD

**ePassport contains:**  
SOd  
DS Certificate

**TODAY**

# Country B

Border Control

Terminal

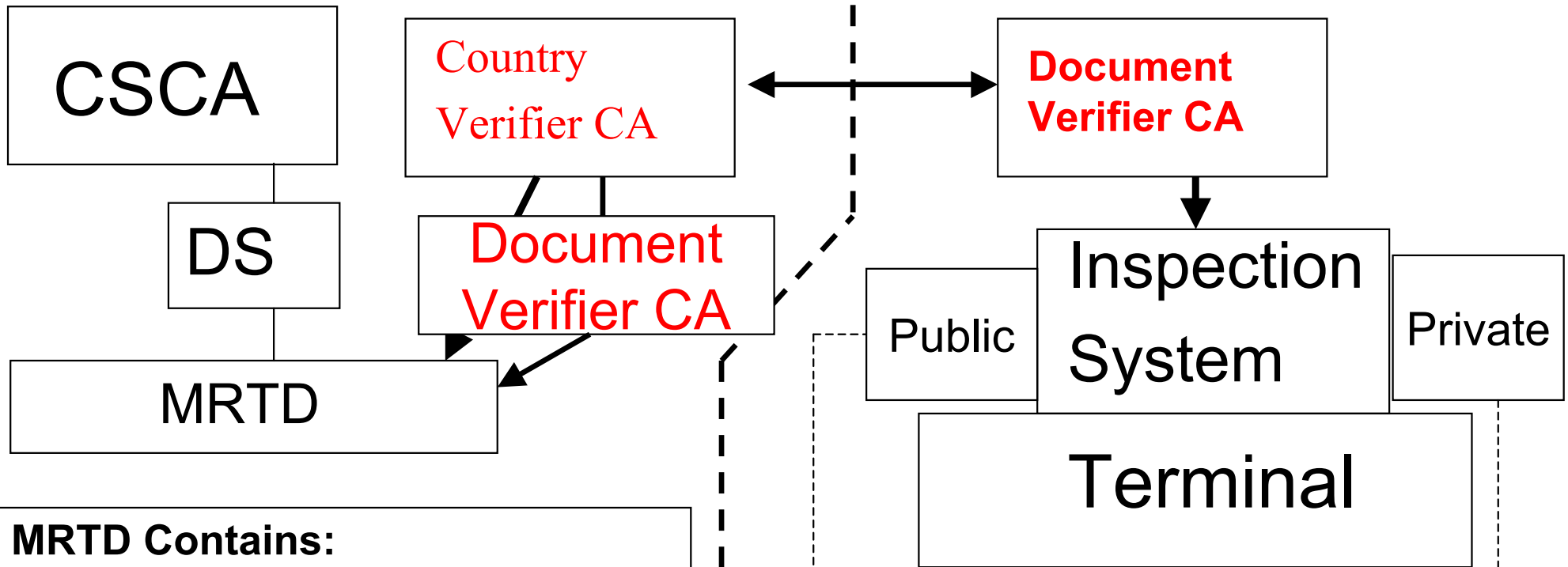
**Contains  
or has access to:**  
by CSCA issued  
By Country A  
Plus Internal Terminal  
Management Keys



# Country A

# Required

# Country B



## MRTD Contains:

- **CVCA Public Key** (Trust Anchor)
- **Enhanced SOD**
- **DS Certificate**
- **Private Key for Chip Authentication**
- With **latest DV Cert expiry date**

## Terminal Contains:

**DV Certificate**  
**Contains:**  
**DV Public Key**  
**Signed by Country A (CVCA)**  
**Containing latest expiry date for DV Certificate**

**Terminal Certificate**  
**Contains:**  
**Terminal Public Key**  
**Signed by Country B**  
**Inspection System**

# Next Steps

- E-Passport launch within Europe
- Begin work on EAC
- Interested in being involved?