



ICAO



2023  
ICAO **TRIP**  
SYMPOSIUM

MONTREAL, CANADA | 12 - 14 SEPT 2023

---

# Christoffer Bonn

Finland / Finnish Immigration Service



ICAO

TRIP2023

---

# Presentation Overview

---

**01** CEN standardisation

**02** Breeder Documents

**03** Trust establishment and management processes

# 01 CEN

Breeder Documents  
Standardization  
in CEN TC 224/WG 19

European  
Standardisation  
Organisations



# About CEN

The European Committee for Standardization is one of three European Standardization Organizations (together with CENELEC and ETSI) that have been officially recognized by the European Union and by the European Free Trade Association (EFTA) as being responsible for developing and defining voluntary standards at European level.

CEN provides a platform for the development of European Standards and other technical documents in relation to various kinds of products, materials, services and processes.

CEN members: National Standardisation Bodies (NSB) of 34 European States

CEN has an agreement for technical co-operation with ISO. Through the involvement of experts in Technical Committees, European and national expertise is being developed and recognized globally.

# About CEN

The European Committee for Standardization is one of three European Standardization Organizations (together with CENELEC and ETSI) that have been officially recognized by the European Union and by the European Free Trade Association (EFTA) as being responsible for developing and defining voluntary standards at European level.

## **Scope of CEN/TC224/WG19**

The working group is leading standardization activities specifically for Europe in the field of Breeder Documents. It includes, but is not restricted to, data collection, application, issuance and renewal processes

Prepares the CEN/Technical Specification (TS) 17489 series “Secure and interoperable European Breeder Documents”

## 02 Breeder Documents

Aka  
Foundational  
Documents

سفارت جمهوری اسلامی افغانستان  
استاکهلم - سویدن

EMBASSY of  
THE ISLAMIC REPUBLIC OF AFGHANISTAN  
Stockholm - Sweden

د افغانستان اسلامي جمهوریت  
سفارت  
استاکهلم - سویدن

FÖDELSEBEVIS / BIRTH CERTIFICATE

د زېږېدنې تصدیق - تصدیق تولد



Serial No: **STKBC020012**

Issue Date: **09.05.2023**



1 Efternamn / Family Name

-----

2 Namn / Given Name

-----

3 Efternamn före äktenskap / Family Name before Marriage

N/A

4 Kön / Gender

M

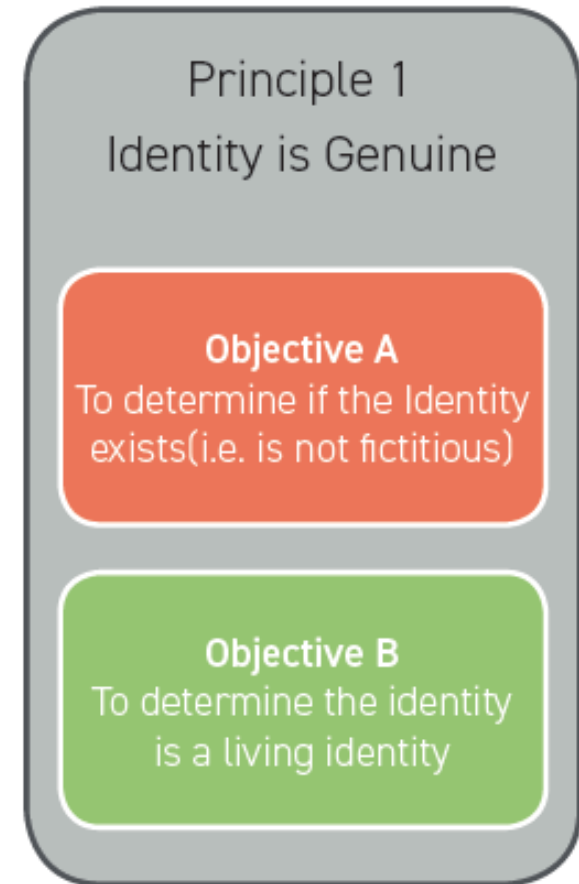
5 Födelsedatum / Date of Birth (dd.mm.yyyy)

01.01.1900

## Breeder Documents also known as Foundational Documents

Documents used to support applications for identity, residence and **travel documents**, such as birth, marriage and death certificates.

- Breeder Document standardisation supports ICAO TRIP Guide on Evidence of Identity objectives
- Informally requested by the EU after funding of 2 projects on Breeder Documents and Passport confidence / security
  - ORIGINS
  - FIDELITY



Source: ICAO TRIP Guide on EoI



## CEN/TS 17489 series *Secure and interoperable European Breeder Documents*

Part	Title / Description	Status
1	Framework overview <ul style="list-style-type: none"> <li>• Overview of the FprCEN/TS 17489 framework on breeder documents</li> <li>• Introduction to the document structure of FprCEN/TS 17489</li> </ul>	Published
2	Data model	Balloting
3	Basic technologies <ul style="list-style-type: none"> <li>• Specifies paper-based, server-based, and hardware-based breeder documents</li> <li>• Specifies their verification</li> </ul>	Editor appointed
4	Profiles for birth, marriage / partnership and death certificates <ul style="list-style-type: none"> <li>• Specifies these breeder documents based on part 2 and 3</li> <li>• Specifies the technical verification procedure</li> </ul>	Editor appointed
5	Trust establishment and management processes	Balloting



03  
Trust  
establishment  
and  
management  
processes  
prCEN/TS 17489-5

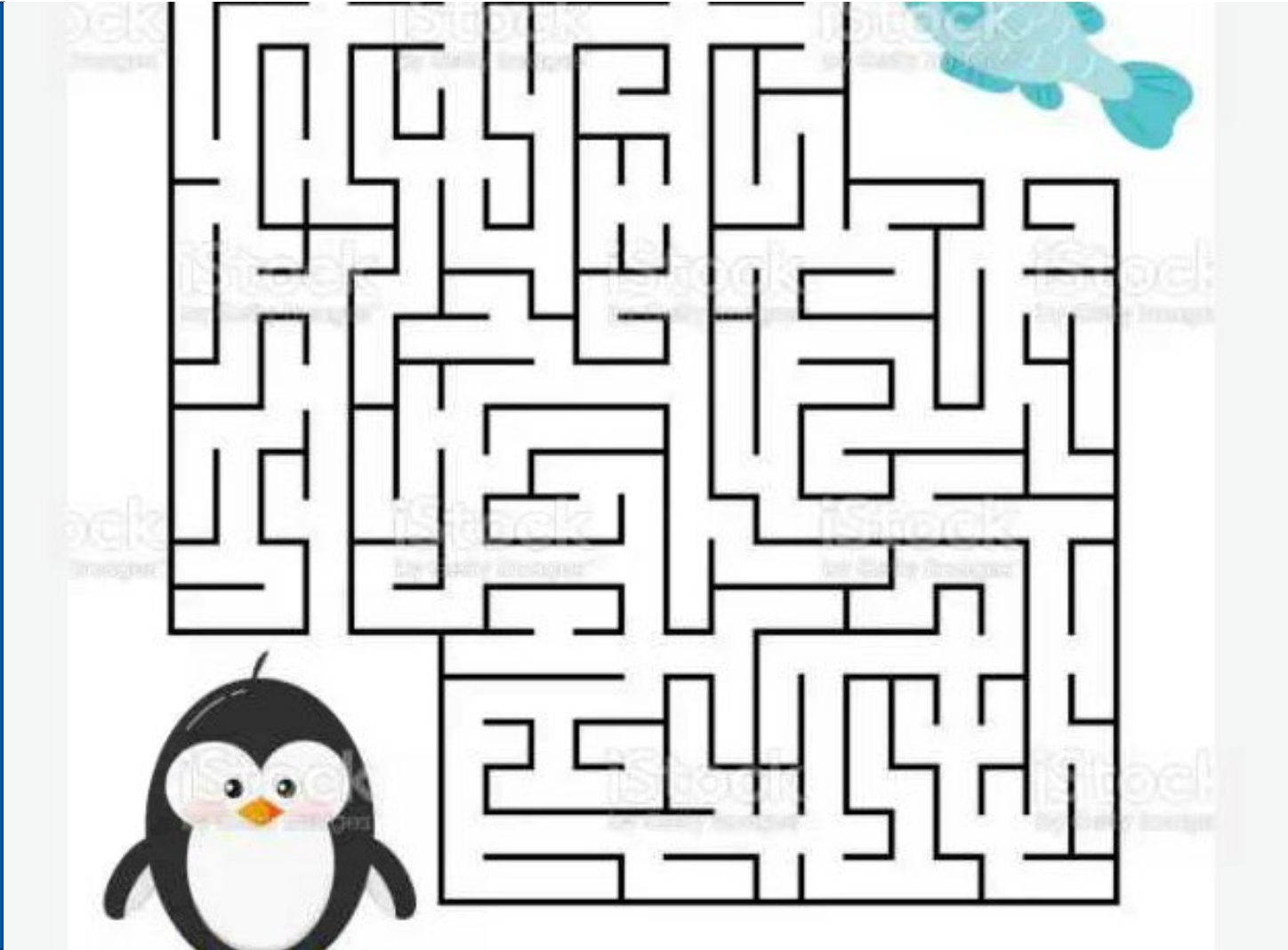


Image: iStock

### **A secure credential is worth little if the data is not reliable**

- Definition of each data-field
- Source of the data
- Vetting of the data
- Monitoring of the processes and enforcing rules

### **Informed Trust develops based on knowledge and shared values**

- Civil Registration is heterogeneous and potentially non-transparent in matters of daily interoperability

“No entity can enforce a specific regulation or SOPs for Civil Registry on other administrations”

# Trust establishment and management processes

## Reporting and Processing

### Reporting (Chapter 5)

(...)requires the implementing and operating bodies to undergo a formal and structured approach in setting governance and policy on one hand, and monitoring of the execution on the other hand.

### Process (Chapter 5.1)

1. **Review checklist for completeness**
2. [“OBJECTIVE”]: **Review the checklist** and the referenced resources together with the stakeholders, and decide on the individual elements being a **compulsory requirement for your implementation, or not**. Record your reasoning respectively your justification of the decision.
3. [“RECOMMENDATION”]: If considered compulsory, discuss and **define the specific implementation** considering the referenced resources. Should **alternative standards or guidance be followed, clearly describe such process**.
4. **Conduct a gap-analysis and document**. Classify deviations to be deliberate/permanent, or - if not - what the **roadmap** for closing the deviation is going to be.
5. [“IMPLEMENTATION”]: **Compile an informational report suitable for cross-agency / cross-border information** relative to the implemented processes and the resulting data-quality.

# Trust establishment and management processes

## Reporting

### Reporting (Chapter 5.3)

#### **Declaration of Implementation (DOI)**

bears similarities with ICAO EFOD

#### **Creation of Rating**

rating in 12 categories considering implementation status and adherence to the recommendations

### Topics (Annex A)

- 6 General recommendations on issuance and operational procedures**
- 6.1 Logistical Aspects
- 6.2 Human Resources
- 6.3 Technical controls and system migration
- 6.4 Distribution of secure public keys & systems access
- 6.5 Civil Registration (Newly born)
- 6.6 Civil Registration (other)
- 6.7 Content update of data-entries
- 6.8 Reissuance of birth certificates
- 6.9 Issuance Process
- 6.10 Coding; Transcribing of eastern / western names and character sets
- 6.11 Validity of document
- 6.12 Vetting of data

# Trust establishment and management processes Checklist

## 6.3.4 Data- and Systems-Protection

<p>a) <b>Objective</b> The requirements of the EIDAS technical controls, level substantial shall be met.</p> <p><b>Recommendation</b></p> <ul style="list-style-type: none"> <li>Follow Official Journal of the European Union (2015) COMMISSION IMPLEMENTING REGULATION (EU) 2015/1502 L 235/7, paragraph 2.4.6, items 1,2,4,5</li> </ul>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p> <p>Justification:</p> <p><b>Implementation status:</b> <input type="checkbox"/> Implemented <input type="checkbox"/> Pending</p> <p>Comment:</p>
<p>b) <b>Objective</b> A professional and effective risk management and business continuity planning shall be implemented.</p> <p><b>Recommendation</b></p> <p>Risk management and Business Continuity reflections shall ground on</p> <ul style="list-style-type: none"> <li>ISO/IEC 22301 - Societal security - Business continuity management systems, and</li> <li>ISO/IEC 22313 - Societal security - Business continuity management systems – Guidance, and</li> <li>ISO/IEC 27005: Information technology – Security techniques – Information security risk management.</li> </ul>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p> <p>Justification:</p> <p><b>Implementation status:</b> <input type="checkbox"/> Implemented <input type="checkbox"/> Pending</p> <p>Comment:</p>
<p>c) <b>Objective</b> An effective information security management system is to be implemented, preserving the confidentiality, integrity and availability of information by applying a risk management process and giving confidence to interested parties that risks are adequately managed.</p> <p><b>Recommendation</b></p> <ul style="list-style-type: none"> <li>Organizational Information Security shall adhere to the guidance given in ISO/IEC 27001:2014 - Information technology – Security techniques – Information security management systems – Requirements. Information technology</li> </ul>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p> <p>Justification:</p> <p><b>Implementation status:</b> <input type="checkbox"/> Implemented <input type="checkbox"/> Pending</p> <p>Comment:</p>

## 6.12 Vetting of data

### 6.12.1 Prevention of false declarations

<p>a) <b>Objective</b> Measures shall be taken to win public support in achieving and maintaining of 100% registration of vital events.</p> <p><b>Recommendations</b></p> <ul style="list-style-type: none"> <li>Implementation of educational programs of the public encouraging accurate and timely registrations.</li> </ul>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p> <p>Justification:</p> <p><b>Implementation status:</b> <input type="checkbox"/> Implemented <input type="checkbox"/> Pending</p> <p>Comment:</p>
<p>b) <b>Objective</b> Measures shall be taken to win public support in achieving and maintaining of 100% registration of vital events.</p> <p><b>Recommendations</b></p> <ul style="list-style-type: none"> <li>Introduction of incentive measures aimed at raising the community's interest in the timely registration of vital events, based on Department of Economic and Social Affairs - Statistics Division (2014) Principles and Recommendations for a Vital Statistics System - Revision 3. United Nations, para 373; and</li> <li>UNSD (1998) Handbook on Civil Registration and Vital Statistics Systems: Developing Information, Education and Communication. In: Studies in Methods (Vol. Series F, No 69). New York, United Nations, para I.A.1</li> </ul>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p> <p>Justification:</p> <p><b>Implementation status:</b> <input type="checkbox"/> Implemented <input type="checkbox"/> Pending</p> <p>Comment:</p>
<p>c) <b>Objective</b> Additional documents supporting the registration</p>	<p><b>Authority decision on criteria:</b> <input type="checkbox"/> O.R. <input type="checkbox"/> O.X. <input type="checkbox"/> X.X.</p>



## The Goal

The creation of a dialogue CEN TC224/WG 19 and ICBWG & EOI-subgroup making sure that Evidence of Identity requirements for ICAO Doc 9303 are adequately represented in the standard under development

## Breeder Documents Standardization in CEN TC 224/WG 19

European Standardisation Organisations

# Thank You

