



# Electronic Passports







## Modern electronic passports for your citizens

Modern e-passports must be well secured, to help fight identity and document fraud, which is linked to multiple illegal activities including organized crime. Control authorities and citizens need functional travel documents, facilitating fast and secure border crossings.

Issuing States are looking for technological options that can guarantee them full independence and allow them to control costs. Finally, the secure design of passports should highlight the country.

### 1 Fonctionnalités and security features

Issuing identity documents of a consistently high quality that feature state-of-the-art security is crucial for staying ahead of document fraud and dispelling doubts during checks.

### 2 Cost and speed

Selecting fonctionnalités and security features that add real value to the document and that are compatible with the budget as well as the policy and regulatory timelines, to get new documents into circulation successfully.

### 3 Independence

Opting for tried and tested technologies that guarantee your independence and issuance continuity when committing for several years.

Our strength lies in **our control** over the complete chain of creating, producing and issuing passports and other travel documents in booklet format (ID-3)

To achieve this, **we support our clients** with workshops to identify or clarify their needs (analysis of desirable improvements, selection of the most relevant security features, choice of graphical elements to integrate the secure design).

We manufacture our **optical and electronic components** – as well as secure ID documents – at our **high-security production sites**.

We also offer a range of services: these include **project management**, transferring knowledge to law enforcement, and supplying checking tools and communication materials for the launch.



## End-to-end expertise

### Co-design

- Analysing document purpose and establishing functionalities
- Identifying the most appropriate physical and electronic features based on document purpose
  - Creating a secure design and positioning holder data

### Personalisation

- Personalisation centre set up by IN Groupe and operated by the government or IN Groupe
- Option of a back-up personalisation centre on IN Groupe premises
- Secure file reception and checks
  - Graphic and electronic personalisation
- Quality control and traceability at every stage and upon batch release

### Post-issuance management

- Evolution of the embedded e-components (optional)
- Help to prepare the future generation (modernisation of the design)

### Production

- Sourcing materials and components or manufacturing them in-house
- High-security printing
- Manufacturing the booklet and integrating electronics
- Unique numbering
- Electronic pre-personalisation optional
- Quality control and traceability at every stage and upon batch release

### Support services

- Programme management
- Buffer stock management
- Secure document destruction at end of life
- New document specimens referencing with international bodies (main secure data base)
- Provision of checking tools and training for new documents
- Communication tools to prepare the official launch

In this era of the **automation of border crossings** and the **digitization of uses**, we support states and transport stakeholders in their transformation programs. Thus, our solutions related to travel documents also cover **the issuance and control systems of physical and digital documents** (Digital Travel Credential, in particular).

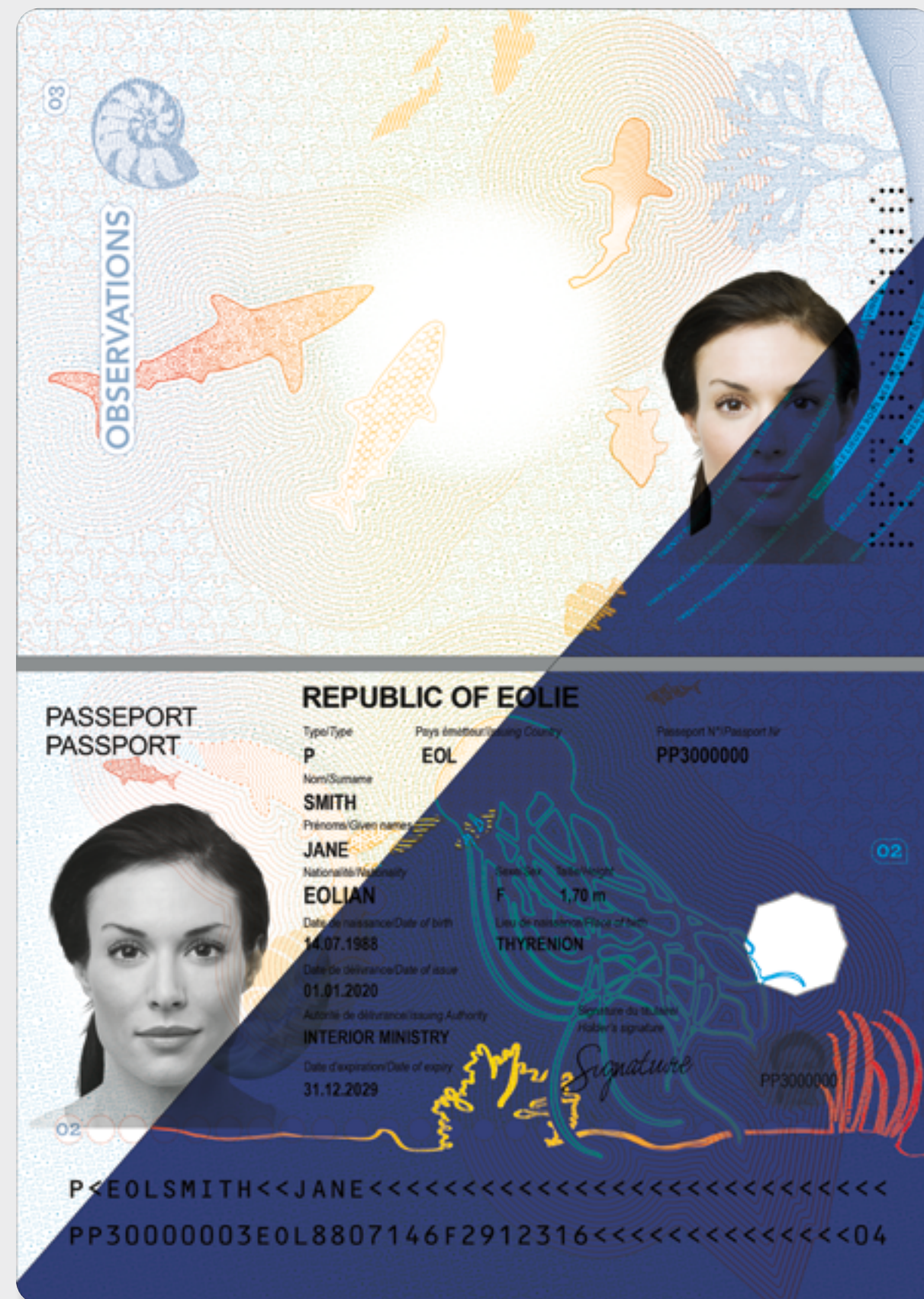


**A RANGE MADE  
TO MEASURE**

- From 16 to 64 inner pages
- Paper data page with holographic laminate
- [or] Polycarbonate data page with possible personalisation of the colour photo on page 3, a concept adopted by many countries and allowing security, price and independence to be combined
- Contactless chip in the cover or in the data page
- A majority of level 1 security features, designed for intuitive first-line verification and automated controls. They protect in priority the data page and more particularly the photo of the bearer.

- Hinge with level 1 security element (Custom Hinge Image)
- Customizable metallic watermark in the polycarbonate structure (Custom Antenna Image)
- Asymmetric transparent window (complex shape) integrating a photo
- DOVID with latest generation optical effects (3 security levels)
- Tactile and optical lamination effects including enhanced MLI

- Inlay integrated into the cover or in the polycarbonate data page
- Antennas with inductive coupling (eBooster® technology), for optimal functionality and durability
- Complete offer of certified chips and OS (Operating System), technological alternatives guaranteeing your independence
- Modern data access protection mechanisms (SAC) including biometrics (EAC), a guarantee of interoperability and a facilitation of access to visa waiver programs (VWP, ETIAS)
- Optimized cryptography for fast and automated checks (border crossing gates, mobile readers or smartphones)





As a partner of the French State for nearly 500 years, IN Groupe offers a comprehensive range of **cutting-edge** secure identity and digital services solutions.

From components to services and documents to interoperable systems, IN Groupe plays a significant role in **making day-to-day life easier for all: helping governments** exercise their sovereignty, citizens **protect their identity**, and **businesses maintain their integrity**.

IN Groupe's range of solutions is supported by three key affiliates: **SPS** for electronic components, **Surys** for optical and holographic components, and **Nexus** for professional and object identities (IoT).

### Common Criteria Certifications:

**BSI-CC-PP-0055:** Protection Profile MRTD with BAC at least EAL4+

**BSI-CC-PP-0056 :** Protection Profile MRTD with EAC at least EAL4+

**BSI-CC-PP-0068 :** Protection Profile MRTD with SAC at least EAL4+

### For facilities:

**ISO 9001 :** Quality management

**ISO 14001:** Environmental management

**ISO 14298:** Management of security printing processes (Intergraf Central Bank Level)

**ISO 27001:** Information security management

**ISO 45001:** Occupational health and safety

### For passports :

**ICAO 9303:**  
Machine-readable travel documents

**ISO 10373 :** Cards and security devices for personal identification Test methods

**Council Regulation (EC) n° 2252/2004:**  
Standards for security features and biometrics in passports and travel documents

**EC Decision (2018) 774 final:** technical specifications regarding the standards for security features and biometrics



THE RIGHT  
TO BE  
YOU

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