IN Imprimerie Nationale

Polycarbonate datapage
By the Imprimerie Nationale Group

The Imprimerie National Group brings to the market the Nautilus product line, a break-through range of polycarbonate datapages.
The Nautilus product line offers the most robust and durable solution, with hinge technology integrated inside of the datapage.
Personal data is better protected than ever thanks to the unique structure of the Nautilus datapages and exclusive security features proposed by the Imprimerie Nationale.

The Imprimerie Nationale Group added-value

1 Innovative hinge technology

The hinge developed and patented by the Imprimerie Nationale is part of the functional contactless antenna. It is made of PET and aluminum, materials offering the highest robustness and durability available on the market.
The hinge is molded between the polycarbonate layers with the help of an advanced technological solution avoiding the use of any adhesive. All the layers are fused and bonded together, providing a tamper-resistant solution to delamination and splitting attacks.
The hinge is customizable with metalized patterns, offering an unprecedented level of security and specificity to each project.

3 Reinforced security

The datapage solutions developed by the Imprimerie Nationale offer security features highly resistant to attacks and at the same time easy to control.
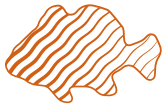The Nautilus datapages embed exclusive features actively mitigating attacks and at the same time fastening controls:
- Watermark inside the datapage: Custom Antenna Image (CAI™)
- Contactless module with logo: Custom Module Image (CMI™)
- Custom Hinge Image: unique patterns made of aluminum on the hinge (CHI™)
- Anti-splitting feature: specific patterns placed inside the datapage making attacks by splitting and delamination tamper-evident (ASF™)
- In-Core personalization: personalization protected by the security printing

2 Enhanced durability

The Nautilus datapages provide the most durable solution on the market with the use of the eBooster® technology and a PET hinge. eBooster® technology uses an electro-magnetic coupling between the module and the antenna, avoiding any breakage.
In the case of eDatapage, the contactless module is placed on the surface of the datapage preventing the development of cracks often observed in other technologies.
The hinge made of aluminum and PET offers the highest resistance to mechanical stress and torsions.
The Nautilus datapage solution exceeds all ICAO requirements, hence the Imprimerie Nationale guaranties a lifetime superior to 10 years on the field for electronic and non-electronic datapages.
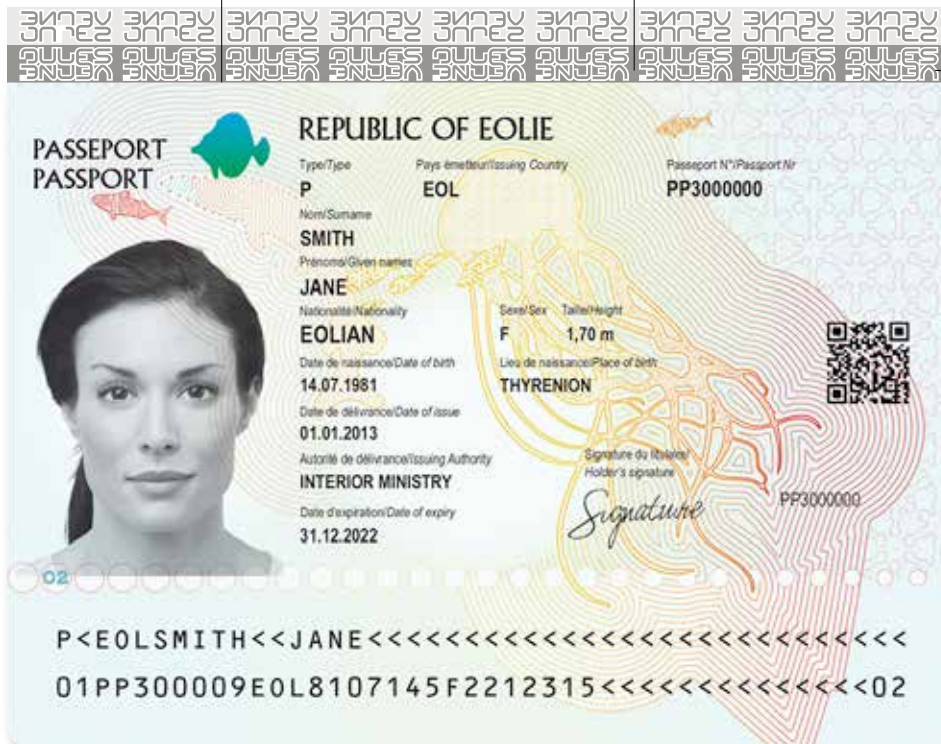
4 Full customization

The Nautilus datapage solution is a technological platform adaptable to the specific needs of each project. The solution proposed offers the widest set of options on the market: presence of contactless chip in the datapage or in the cover; thickness of the datapage; customization of the Imprimerie Nationale exclusive features and integration of state-of-the art security features from trusted partners.

OVI® with Charms™

Custom Hinge Image (CHI™)

High resitance hinge

REPUBLIC OF EOLIE

PASSEPORT
PASSPORT

Type/Type **P**
Pays émetteur/Issuing Country **EOL**
Passeport N°/Passport Nr **PP3000000**

Nom/Surname
SMITH

Prénoms/Given names
JANE

Nationalité/Nationality
EOLIAN
Sexe/Sex **F**
Taille/Height **1,70 m**

Date de naissance/Date of birth
14.07.1981
Lieu de naissance/Place of birth
THYRENION

Date de délivrance/Date of issue
01.01.2013

Autorité de délivrance/Issuing Authority
INTERIOR MINISTRY

Signature du titulaire
Holder's signature
Signature

Date d'expiration/Date of expiry
31.12.2022

PP3000000

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UV protecting portrait

5 Easy integration

The Nautilus datapage solution may embed the chip and the OS of any supplier. The antenna design is specific to each chip/OS and is fully compliant with ICAO standards.
The integration of the datapage within the booklet is made easier thanks to the hinge that can be sewed with any standard assembling lines.
The personalization of the datapage is fully compatible with all machines available on the market.

6 ICAO compliance

The Nautilus datapage solution proposed by the Imprimerie Nationale complies with ICAO Doc9303 recommendations for security features and Radio Frequency.
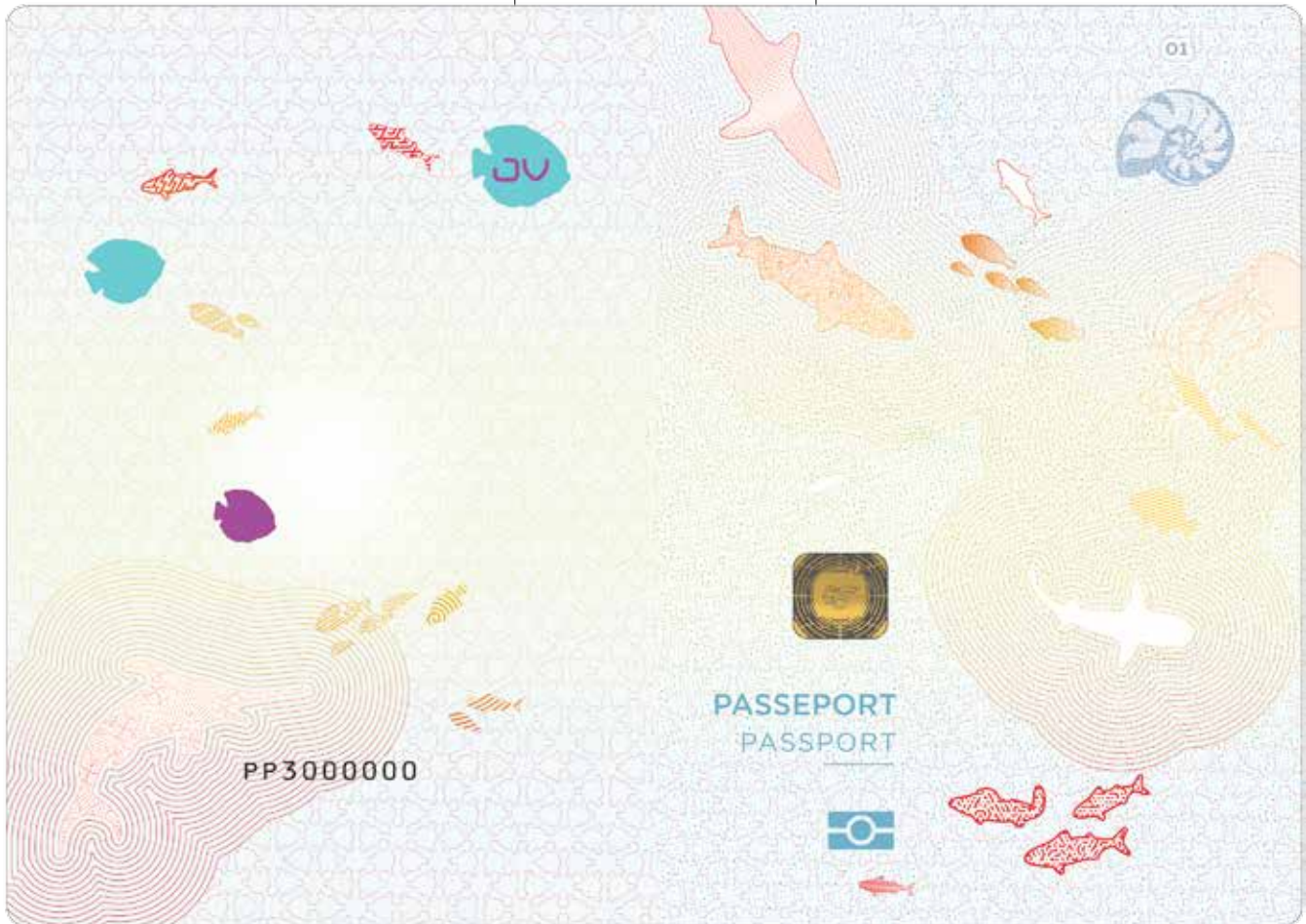The set of proposed exclusive security features goes beyond ICAO basic and optional feature recommendations.

Datapage Specifications

SICPASTAR®MATCH

Contactless module with
Custom Module Image (CMI™)

PASSEPORT
PASSPORT

PP3000000

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Specifications

Size: ID3 format plus hinge
Thickness: from 600μm to 800μm
Exclusive features: CMI™, CAI™,
ASF™, CHI™, VMI™

Electronic Specifications

Hardwares: Infineon, NXP, Samsung, ST
Memory: ROM, Flash
OS: All CC certified OS, Java, Native, Multos
Applications: ICAO BAC, EAC, SAC

Norms

ICAO Doc9303 compliant
ISO14443 compliant

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