ID-3 PHILÉAS

ePassport with paper datapage

REPUBLIC OF EOLIE

Type/Type
P

EOL

Nom/Surname
MARTIN

Prénoms/Given names
PAUL

Nationalité/Nationality
EOLIAN

Sexe/Sex   M

Date de naissance/Date of birth
14-07-1981

Lieu de naissance/Place
THYRRENION

Date de délivrance/Date of issue
01-01-2013

Autorité de délivrance/Issuing Authority
INTERIOR MINISTRY

Date d'expiration/Date of expiry
31-12-2022

P<EOLMARTIN<<PAUL<<<<<<<<<<<
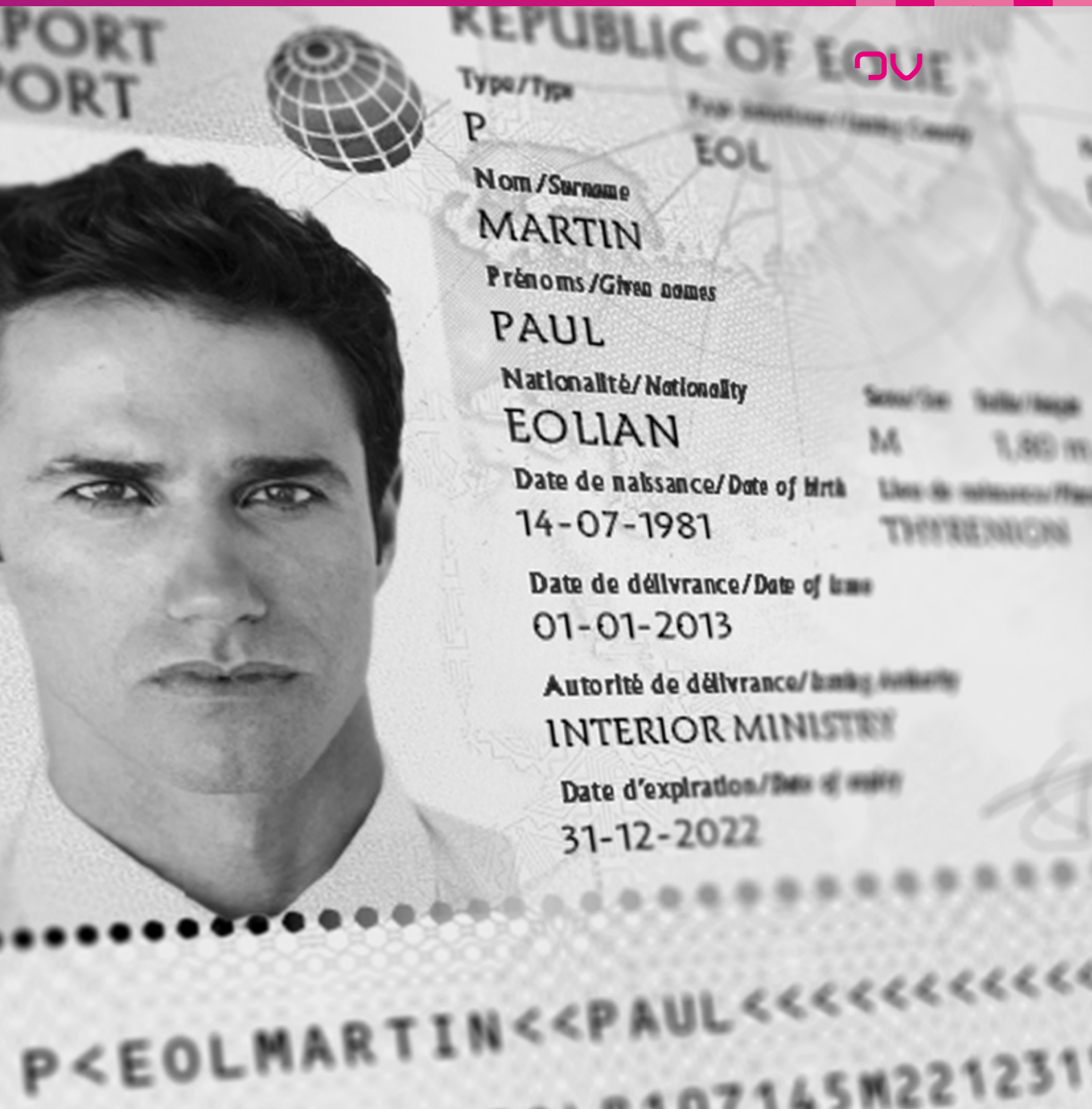
IN Imprimerie Nationale

ePassport with paper datapage
By the Imprimerie Nationale Group

The paper datapage passport Philéas proposed by the Imprimerie Nationale Group offers the highest securisation available on the market. It enables securing the holder's data and makes fraud and counterfeiting extremely difficult. Furthermore, the controllability is made easy and efficient for border control forces.

All existing security features for paper datapage passports are available in the Philéas solution. Their accurate combination optimizes the entire security of the document and enables intuitive controls.

The securities proposed in the Philéas passport product line are selected and customized for each governmental project.

Philéas solution added-value

1 High Security

The security features proposed in the Phileas solution actively mitigate the two most common attacks on passports (alteration of the holder's data and replacement of the datapage).
Below some efficient security features available with paper datapage:

– Protection of the holder's portrait with visible and fluorescent UV guilloches.
– Color pigments migration into the datapage makes the alteration of holder's data impossible without damaging paper.
– The geometric conical laser perforation, composed of little geometric shapes, is nearly impossible to counterfeit. Also, this laser perforation through laminate makes impossible to dissociate it from the datapage, what strongly protects the holder's data.
– The printing of holder's personal data on the 3rd page of the passport as well as on the datapage makes obvious any tampering or replacement of the datapage itself.

2 Easy controllability

The Philéas paper datapage passport is easy and quick to control thanks to level one (control with senses) and level two (control with simple tools) well-known security features:
– The watermark controllable with the naked eye or an ordinary lamp.
– The thin laminate transfered onto the passport datapage contains visible and covert holographic effects.
– The security thread embedded in the paper controllable with the naked eye or with an ordinary lamp.
– Fluorescent fibers controllable with a UV lamp.
– The personal data hidden in the portrait revealed thanks to a specific filter.

3 Economic and flexible personalization system

The Philéas solution allows working with flexible and cost oriented personalization systems, adapted for each governmental project:

– It is compatible with centralized (one personalization site) and decentralized (several sites) personalization systems.
– It is generally an economic solution thanks to the less costly equipment used compared to the personalization of a polycarbonate datapage.

4 ICAO compliance

The Philéas passport solution proposed by the Imprimerie Nationale complies with ICAO Doc 9303 recommendations for security features and radio frequency.
The range of proposed security features goes beyond ICAO basic and optional features recommendations.

Datapage security features

OVI®

Minilettering protecting portrait

Polarized metallic patch

Conical laser perforation

Embedded Combifluo® security thread

Holographic laminate

Rainbow UV ink protecting portrait

PIXEL™ watermark
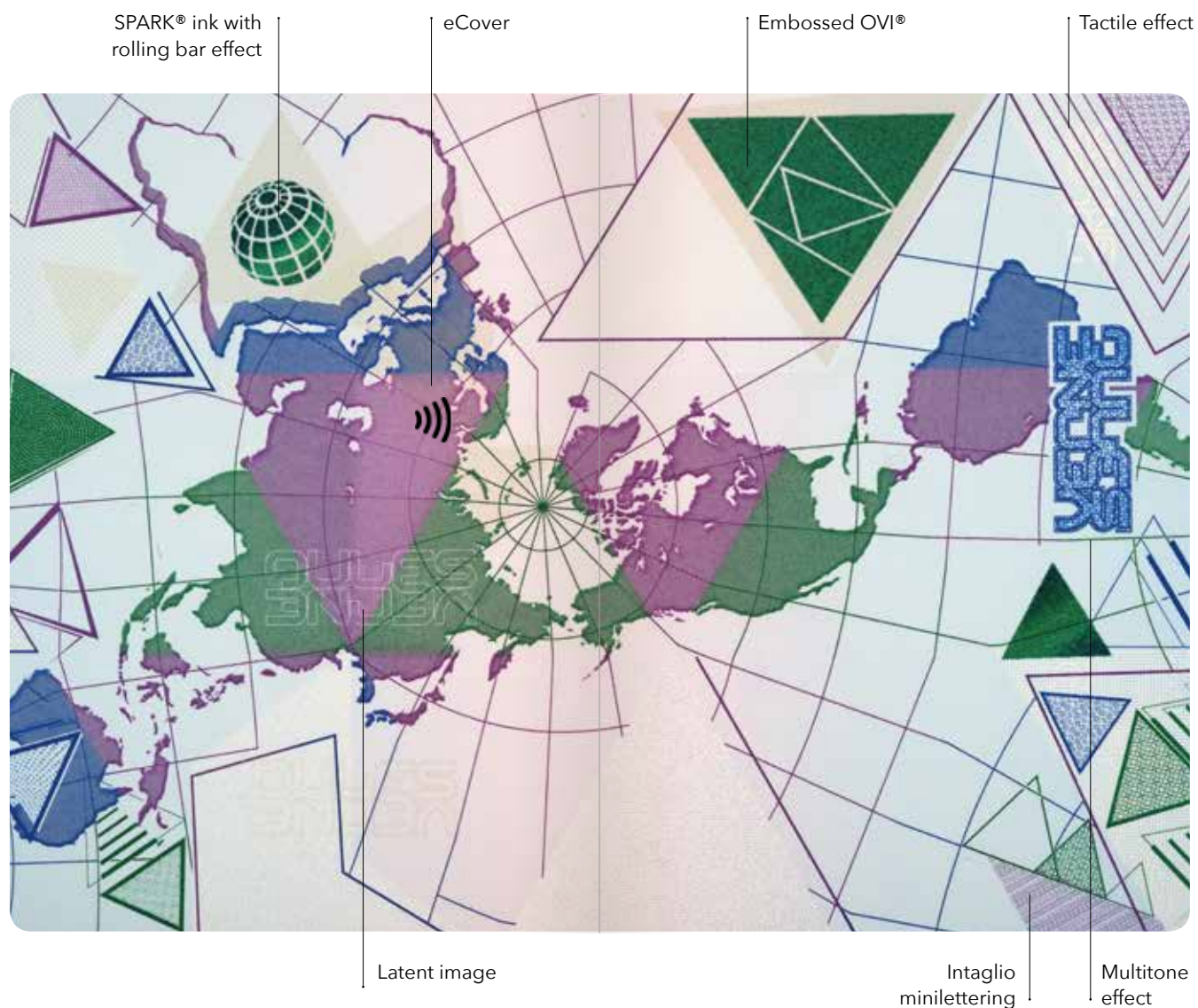
Multi-tonal watermark

5 Onboard robust electronics

The Philéas product can be delivered with a contactless chip that implements last generation security mechanisms specified by ICAO and endorsed by its member states. The passport is delivered with the chip embedded in an inlay. Imprimerie Nationale developed a unique selection process of its suppliers to guarantee that the electronic chip is compliant with latest ICAO standards and offers best of breed citizen data protection required by the governments. This time-proof selection process prevents risks such as shortage or security breaches and enhances time to market availability of those secure products.

End leaves security features

SPARK® ink with rolling bar effect

eCover

Embossed OVI®

Tactile effect

Latent image

Intaglio minilettering

Multitone effect

Main specifications

Size: ID-3 format
Number of pages: 32, 48 or 64
Type of passport: ordinary,
diplomatic, service or emergency
Interface: contactless
Inlay into the cover

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
ISO 14443 compliant

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