

European electronic Residence Permit

The uniform electronic residence permit improves document security



The European Union's Council Regulation No. 1030/2002 introduces a uniform electronic residence permit issued by the 27 EU member states.

The harmonization of the "European residence permit" (eRP) is intended to improve document security and make it easier to verify the entitlement to residence of third-country nationals.

This Council Regulation (EC) No 380/2008 defines a unique model for all member states.

- Document based on smart cards technology;
- Guaranty against counterfeiting;
- Introduction of biometry;
- Secure data storage in a chip.

The technical features are described in a document, written by the Group Article 6 and will ensure compatibility between all electronic residence cards, EU-wide. The new European e-residence permit will then be rolled out in all member states within a two-year period following release of the specification.

Scheduled for introduction from 2010, the e-residence permit could act as a temporary entitlement to residence, permanent residency permit, or a visa.

The document is based on international standards, especially ISO standards and ICAO recommendations on Machine Readable Travel Documents, and accommodates:

- The document format should be ID1 or ID2.
- Specifications for biometric identifiers: face and two fingerprints
- Logical data structure on the chip
- Specifications for the security of the digitally stored data on the chip
- Conformity assessment between the chip and the applications
- Contactless compatibility with other electronic travel documents

ERP compliant with two European standards for two different applications:



eTravel application

Is mandatory in order to travel in Europe and to be readable by all border controls in the Schengen area. The objective is to benefit all standardization, tests, interoperability works done for ICAO-EAC applications and to reuse all the infrastructures and investments, deployments of border control, enrollment stations,... done for electronic passports.



eService application

Is optional to be interoperable with National & European eID services deployed and accessible with each national eID card. The ECC (European Citizen Card) seems the most appropriated solution which defines a common and interoperable platform for European eServices.

With those two standardized applications, Oberthur Technologies guarantees the interoperability between all the members states but also, within each country, the interoperability between eID and eRP cards. Each third-country national can freely travel in Schengen area and can benefit from all the eServices offer to the citizens. Integration is easier.

Oberthur Technologies solution:



In term of products, Oberthur is able to propose a customize offer depending of the customer needs:

- **Full contactless smart card:** only the ICAO-EAC application is available in contactless mode;
- **Dual interface smart card:** both applications (ICAO-EAC & IAS-ECC) are available on the same chip; ICAO-EAC is used through the contactless interface, while the ECC application could be used via both interfaces (contact & contactless) are available on the same chip;
- **Hybrid card:** the smart card embeds two chips: the first one is contactless only with ICAO-EAC application and the second is contact only to perform eServices.

All these products are certified or under-certification Common Criteria EAL4+ regarding PP-EAC or PP-SSCD, to ensure the highest level of security for each European resident.

Oberthur Technologies delivers the first European Citizen Card

In august 2008, Oberthur delivered the first European citizen Card to the French ANTS, responsible for issuing all ID secured documents in France.

This card is the first one compliant with the "European Citizen Card", harmonized by the European Standardization committee. Given the European context and the economic market of free trade , it is interesting that the National Identity card or the European Residence Permit offer two kinds of services to the holder: to travel easily in the EU with its card and to have access online administration. To fulfill the requirement, all cards which have been delivered have identification, authentication and digital signature functions with a high level of security.

Services and personalization solutions

Oberthur Technologies experience in smart card personalization and fulfilment services gives eID cards projects the required momentum to turn on single card into millions.

The offer comes either as:

- An Oberthur Technologies service bureau with an worldwide perso bureaus network in more than 25 counties covering all the continents with high value personalization services as fulfillment, cardholder photograph printing and protection using a long-lasting laminate, specific graphical personalization features (laser engraving, braille embossing).
- Alternatively as an easily integrated based software suite for governments who wish to operate an in-house personalization service.
- This software suite covers all phases of eID or eRP issuance procedure: data collection, data preparation, key management, card personalization, card delivery.
- As part of the its IAS product range, Oberthur Technologies also offers support to governments and system integrators from feasibility study to system design, implementations and operations.



Oberthur Technologies respects the environment. The number of printed brochures produced by the company has been significantly reduced to save paper. Printed documents are produced on FSC-certified paper using aqueous inks to reduce environmental impact. Datasheets are available in electronic format only.

High secured card body

For the Identity market, plastics and printing features are fully part of the security of the ID cards. Oberthur proposes a complete offer for card body:

- Long-life plastics like PETF, Polycarbonate.
- Printing security features like rainbow printing, guilloche patterns, relief design, numismatic background, microprint, OVI, ultraviolet printing, printed text, color photo, handwritten signature...
- Overlay to protect variable printing and introduce additional security features (transparent holograms, UV).



Oberthur Technologies, with its fiduciary expertise (banknotes, passports...), received the CWA 14641 certification for « High Security Printer ».

Due to this strong expertise, Oberthur Technologies is also able to provide traditional resident permit based on paper including security features.