Regional Seminar on MRTDs and Traveller Identification Management

STRATEGIES AND USEFULNESS OF ID-e (DNI-e)

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STRATEGIES

- To establish one´s identity document, according to new technologies.

- Allows achieving several business in a safety way through telematic means, assuring the identity.

- Increase the traditional identification functions of the document with the electronic signature.

- To guarantee the personal details protection.


1990

2006

2015

Contents:

- Authentication certificate and its keys
- Signature certificate and its keys.
- Certificate of the issuing Authority.
- Biographical data of the citizen.
- Photo image.
- Manual signature image.
- Fingerprint template.
- Match On Card application
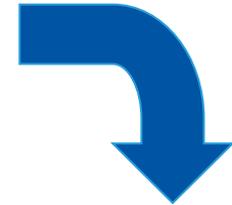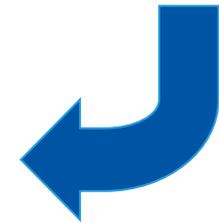
• Electronic signature identifies persons with the same validity than the handwritten one.

• Card including security measures against manipulation and faking.

• Shipping in a unique administrative act, what increase its reliability.

• Permits interoperation with the new European Digital Identification projects. (Borders Control-Intelligent Borders)

• Assures the identity of those who take part in the communication.

1º) fingerprint scanning

2º) details location

3º) It is obtain the **Reference Model that shows** the geometric ratio between the points consider as details.

Physical security

Surface structure
- Guilloches and microprint
- Easy visual and tactile inspection

UV / IR ink
- Only visible with ultraviolet or infrared lights
- Fluorescent inks

OVI inks
- Printing with colour changing

Hologram /Kinegram
- Holographic structure artistically designed
- Protected by an overlay of 100 nm.

Cryptographic Chip
- For authentication by biometric comparison stored in the chip
- Cryptographic data

Photo
- Recorded with laser inside of the card
- Protection against forgery
- Image integration in the card background.
- Superimposed photo edge and security background

Changing laser image (CLI)
- Combined different and specific information elements in a structure laser engraved.
- MLI photo

Security background
- Guilloches shapes that can include logos
- Iridescent printing

Physical card

First level

Visible just by looking

- Holograms / Kinegrams
- OVI inks
- Changing laser image (CLI)
- Tactile letters
- Superficial structures in relief

Second level

Visible by mechanic and electronic devices

- Reactive UV inks
- Microtext.
- Security background (Guilloches)
- Codified images

Third level

Visible in laboratory

- Cryptographic and biometric measures in the chip.

USE OF ID card (DNIe)

• Request of registration book-keepings.

• Make easier the personal documents renewal by internet. (ID card, Passport, foreign document).

• To establish electronic documents sending agreements to the different law authorities by the electronic signature.

• Utilization of electronic signature on the internet police report system. Sending with no need of printing or handmade sign it.

• State General Administration application procedure (Social Security, Territorial Administration, Local Administration, Inland Revenue, Property Register, etc.)

Mass control at public transports.

Ports

Land media

Railways

Airports

Expedition and management of ID and Passport

Citizen

Registration office (e-DNI)

Come and ask for the Digital Certificate DNI

DNI with certificates delivery

Signed certificate

Certificate request

EXPEDITION procedure

Certification authority
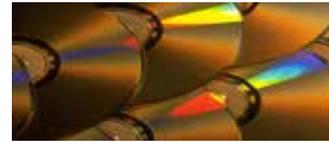
NOWADAYS

In spite of is binding for all nationals to obtain the DNI at the age of fourteen

the fact is that the DNI application age is going down, because of new legislation about trips, security, registration in educational institutions, etc.

DataBase Recording

FUTURO INMEDIATO

GOBIERNO DE ESPAÑA   MINISTERIO DE JUSTICIA

Registry office

The D.G.P will give a number to the new born

Hospital

Checking between biometric taken when the baby was born, with the one obtain during the expedition procedure.

New born´s biometric gets collected by the hospital to avoid children changes.
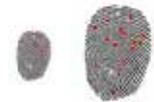
Investigation section

1. Verification and investigation to avoid misuse or fraud.

2. Personality usurpation.

3. Duplicities.

4. Unlawful documents traffic.

5. Unlawful nationality obtain.

6. Impersonation.

7. Forgeries.

Database

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