

# “Update on the Spanish Evaluation and Certification Scheme”



Head of the Certification Body  
September 2008

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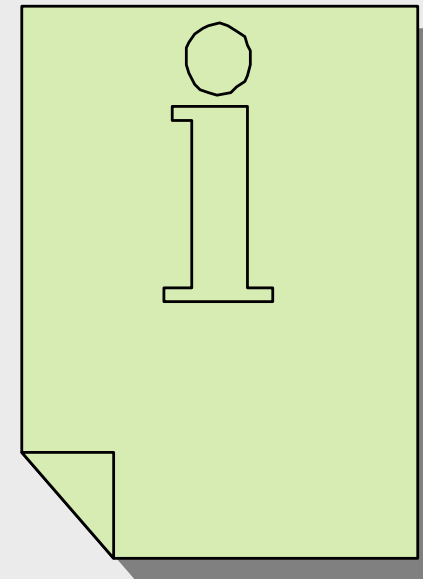
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## CCN Mission

The National Cryptologic Centre (CCN), is the public administration organization that

coordinates Administration bodies regarding use and management of crypto products and mechanisms

guarantees the security of information technologies in public administration CIS,

coordinates procurement of cryptologic material,

trains the Administration staff experts in these fields.

certifies the security of information technologies and approves crypto products and mechanism

## CCN Legal Framework

The CCN activity is regulated under national legislation:



[Act 11/2002, 6th May](#), regulating the National Intelligence Centre (CNI), which includes the National Cryptologic Center (CCN).



[Royal Decree 421/2004, 12th March](#), which regulates and defines the scope and functions of the National Cryptologic Centre (CCN).



[ORDER PRE/2740/2007, 19th September](#), that defines the National IT Security Evaluation & Certification Scheme Regulation.

## CCN and CNI relationship

### Relationship between CCN & CNI:

The National Cryptologic Centre is ascribed to the National Intelligence Centre.

It shares with the CNI the means, procedures, regulations and resources, and it is governed by Act 11/2002 of May 6th, regulating the National Intelligence Centre.

## The “7”,s functions (Royal Decree 421/2004)

- 1) Prepare and disseminate regulations, instructions, guidance and recommendations
- 2) Train the Administration staff
- 3) Act as the certifying body for the National Information Technology Security Evaluation and Certification Scheme
- 4) Security assessment, security approval of crypto products and security accreditation of CIS
- 5) Co-ordinate the promotion, development, acquisition, procurement and deployment, as well as the use of security technology
- 6) Watch over the compliance with regulations concerning the protection of classified information
- 7) Establish the necessary relations and sign appropriate agreements with similar organizations from other countries, in the performance of the above mentioned functions.

## CCN ACTIVITY ON EVALUATION AND CERTIFICATION



## Certification Body

### CCN develops E&C in the areas of...

- × **Cryptological certification**
- × **TEMPEST certification**
- × **Functional certification**
  - × ISO 15408 or Common Criteria
  - × ITSEC
- × **Other IT Security certifications**
  - × e.g. TWS's in the realm of e-Signature
  - × (with CWA & ETSI specifications)



## Background

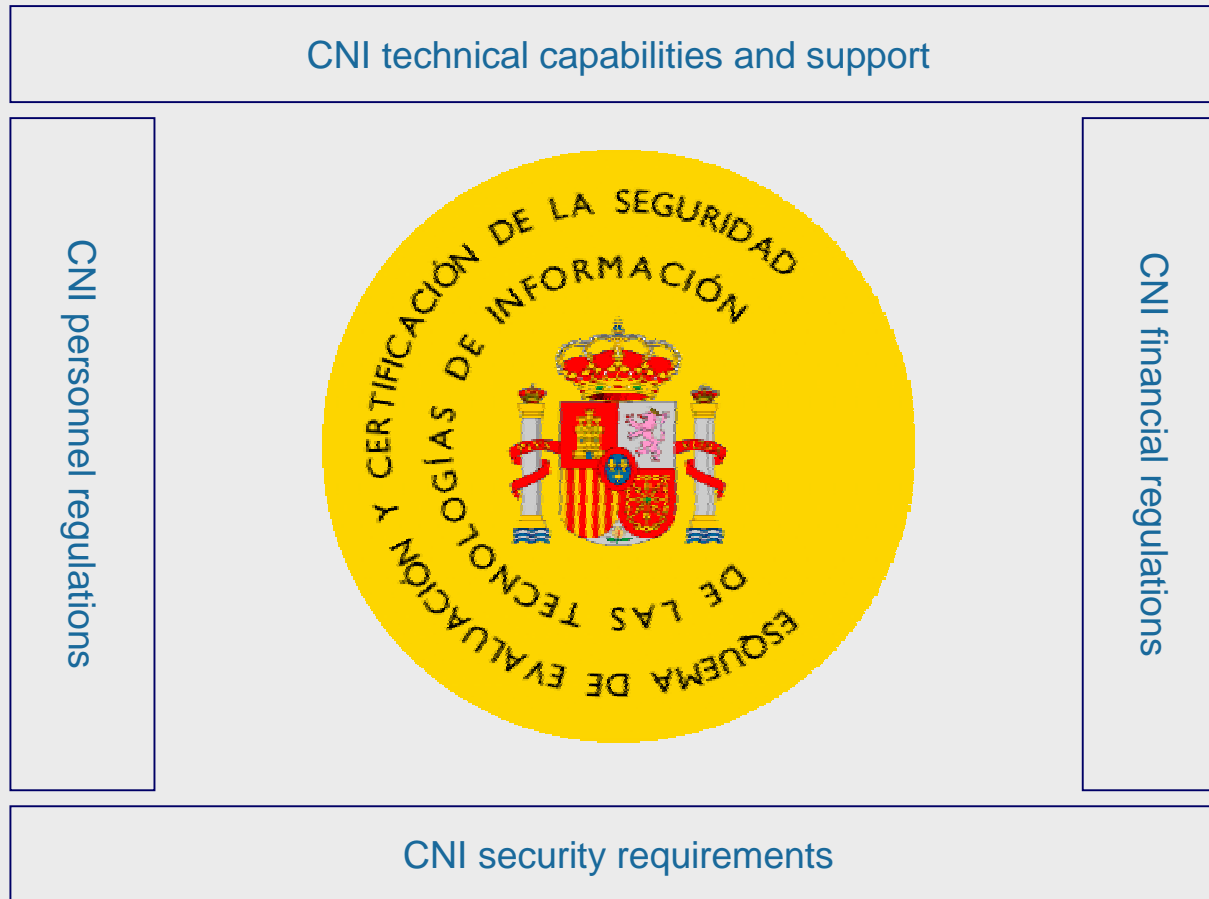


### Convergent action lines:

- Spain joined the CCRA, with the signature of the Ministry of Public Administration, as a consuming participant in 2000.
- The Spanish Ministry of Defense established, also in 2000, an evaluation and certification scheme, based on ITSEC/ITSEM, to give service to internal needs and to be used by international defense projects.
- Act 11/2002 6th May, regulated CNI, creating the CCN, and
- Royal Decree 421/2004, 12th March, finally regulated and defined the scope and functions of the National Cryptologic Centre, as the certifying body for the national scheme of evaluation and certification of security for information technology.
- CCN started to operate as CC CB in July 2004.
- CCN started as CB with a previous ITSEF (MoD) for ITSEC i.e. the CESTI-INTA.
- CCN accredited as authorising participant of CCRA in September 2006.
- ORDER PRE/2740/2007, 19th September, defined the National IT Security Evaluation & Certification Scheme Regulation.
- Two private labs licensed during 2007 and 2008: APPLUS & EPOCHE.

# The establishment of the Scheme

## The framework:



## The establishment of the Scheme

Has turned to be a very supportive environment!



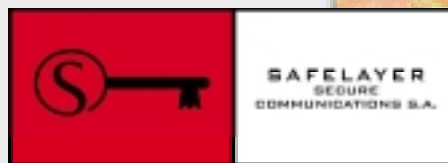
CNI technical capabilities and support

CNI personnel regulations

CNI security requirements

CNI financial regulations

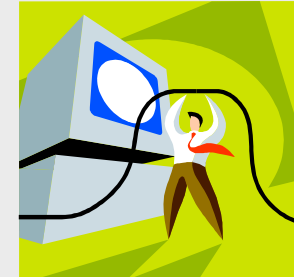
## IT Products certified/evaluated



## SP Scheme statistics

### 2005-2008

- **Certificates issued**
  - 10 CC certificates (EAL2-EAL4+ TOEs)
  - 4 ITSEC certificates (systems)
- **Ongoing Evaluations**
  - 25 ongoing, mainly CC but also ITSEC
- **Protection Profiles**
  - 4 ongoing (EAL1-EAL3) → DNIe SCVAs
- **ITSEFs accredited**
  - a) *public*:
    - CESTI-INTA: ITSEC + Common Criteria (classified products)
  - b) *private*:
    - LGAI-APPLUS: Common Criteria
    - EPOCHE & ESPRI: Common Criteria



## SP Scheme ITSEFs

### CESTI/INTA

- \* Security level: CLASIFICADO
- \* Evaluation standards and levels:
  - o ITSEC, E4;
  - o Common Criteria/Common Evaluation Methodology, EAL4+.



### LGAI Technological Center S.A.

- \* Security Level: NO CLASIFICADO
- \* Evaluation standards and levels:
  - o Common Criteria/Common Evaluation Methodology, EAL4+.



### Epoche and Espri S.L.U.

- \* Security Level: CLASIFICADO (\*)
- \* Evaluation standards and levels:
  - o Common Criteria/Common Evaluation Methodology v3.1, EAL4+.



(\*) Undergoing the licensing extension process for classified products

## Ongoing support to the CC/CEM

**We have been supporting the CC by providing resources to the maintenance of the standard both at the CC and ISO. Our support will be maintained for 2009 and beyond, specially contributing to all the international and European working groups related to CC.**

**For the last years Spain has been sponsoring the familiar [www.commoncriteriaportal.org](http://www.commoncriteriaportal.org). This will be maintained, but we plan to make it the central ISO/IEC PP registry, in accordance with**

**ISO/IEC 15292 -- Information technology -- Security techniques – Protection profile registration procedures**

## **Trends and perspectives**

**The culture of requiring IT with certified security is catching up in Spain. Some initiatives in the area of digital signature, and specially related to the national electronic id card are increasing the demand of certified applications and devices.**

**New sets of PPs are under development to be applied in the Spanish Administration e.g. for DNle applications.**

**New regulations in the e-Administration are including explicitly requirements for IT Security certification under a general “umbrella” called “National Security Scheme”.**

**The CCN is both taking measures to improve the efficiency of the licensed labs and planning ahead its own capabilities to cope with the continuous lineal growing observed in the number of CC evaluations.**



Find the web site of the Scheme at [www.oc.ccn.cni.es](http://www.oc.ccn.cni.es)



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#### Certification Body

#### Licensed laboratories

#### Certification

#### Documents

#### Links

#### News:

CC/CEM v2.3 is now available.

## The CCN as Certification Body

The Certification Body (CB) of the Spanish Evaluation and Certification Scheme operates under the scope of the National Cryptologic Center, as laid out in the [Act 11/2002, Act 11/2002, 6th May](#), regulating the National Intelligence Centre, and the [Royal Decree 421/2004, 12th March](#), regulating the National Cryptologic Centre.

The Certification Body operates under request of any private or public parties that may wish to perform as security evaluation licensed laboratories, as well as under request of any private or public product or system developers that may wish to certify the security properties by the Scheme and when such products or systems are subject to be included under the scope of the National Cryptologic Centre.

The Certification Body licenses laboratories based on the compliance of the requirements laid out in [Chapter two](#), and in accordance with the procedure established in [Chapter three](#) of the [Rules for the security evaluation and certification of information security technologies](#).

The Certification Body certifies the security of information technology products in accordance with the procedure established in [Chapter four](#), and following the evaluation standards, criteria and methodology listed in [Chapter six](#) of the [Rules for the security evaluation and certification of information security technologies](#).

# Thank you, any question?



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