## Advocacy IT Project Presentation

Madrid, 15 December 2005

### ADVOCACY IT PROJECT

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the new bar membership card?</td>
<td>3</td>
</tr>
<tr>
<td>- Types of e–signature</td>
<td></td>
</tr>
<tr>
<td>- The Bar’s recognised e–signature</td>
<td></td>
</tr>
<tr>
<td>Why is it being set up?</td>
<td>14</td>
</tr>
<tr>
<td>- Objectives of the ADVOCACY IT PROJECT</td>
<td></td>
</tr>
<tr>
<td>- Headway made</td>
<td></td>
</tr>
<tr>
<td>What can we do TODAY with the membership card?</td>
<td>24</td>
</tr>
<tr>
<td>- General uses of digital certificates</td>
<td></td>
</tr>
<tr>
<td>- Online services of the general government</td>
<td></td>
</tr>
<tr>
<td>- Online services of the Bar</td>
<td></td>
</tr>
<tr>
<td>What will we soon be able to do?</td>
<td>42</td>
</tr>
<tr>
<td>- Online services in development phase</td>
<td></td>
</tr>
<tr>
<td>CONCLUSIONS</td>
<td>51</td>
</tr>
</tbody>
</table>

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**Infraestructura Tecnológica de la Abogacía**

**Caso Cualificación de la Abogacía**

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**RedABOGACÍA**

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Types of e–signature

Article 3 of the E–signature Act 59/2003 (Ley de firma electrónica).

1. The e–signature is the set of data in electronic form, accompanying other data or associated therewith, that can be used as a means of identifying the signer.

2. The advanced e–signature is the e–signature that allows the signer to be identified and any subsequent change in the signed data to be detected. It is linked to the signer and the data it refers to in a unique manner and is created by means that signers can keep under their exclusive control.

3. The recognised e–signature is the advanced e–signature based on a recognised certificate and generated by means of a secure signature creating device.

4. The recognised e–signature will have the same value vis–à–vis the data consigned in electronic form as the written signature has in relation to the hard copy data.

Advanced e–signature

• Characteristics Article. 3.2 of Act 59/2003:
  • It is linked to the signer in a unique manner
  • It allows the signer to be identified
  • It has been created by means that signers can keep under their exclusive control
  • It is linked to the data referred to in such a way as to make any subsequent change thereof detectable
Recognised e-signature

**Characteristics** Article 3.3 of Act 59/2003:

- It is an advanced e-signature
- It is based on a recognised certificate
- It is generated by means of a secure signature creation device

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Digital Certificates

- They represent unequivocal one-to-one identifiers of a person on Internet
- The regulation of the signature is directly bound up with this concept: the signature has to be based on the certificate
- The certificates permit diverse uses:
  - They permit the identification of persons on internet
  - They guarantee non repudiation and accountability for own acts
  - They offer backup to the e-signature with legal recognition
  - They allow the sending of encrypted messages to the certificate subscriber
DIGITAL CERTIFICATES

TRUSTING THE CERTIFICATION AUTHORITY MEANS
TRUSTING IN THE CERTIFICATE DATA

A third party can ascertain whether the
certificate data have been altered after
being signed by the CA

Act 59/2003 Article 11. Concept and content of the recognised
certificates.

1. Recognised certificates are those e-certificates issued by a certification
services provider that meets the requisites laid down in this Act in
terms of the identity check and other circumstances of the applicants
and the reliability and guarantees of the certification services they
provide.

2. Recognised certificates include at least the following data:
   a) The indication that they are issued as such.
   b) The single identification code of the certificate.
   c) The identification of the certification services provider issuing the
certificate and the abode thereof.
   d) The advanced e-signature of the certification services provider
issuing the certificate.
2.- Recognised certificates will include at least the following data:

e) The identification of the signer. In the case of natural persons this will be done by their name and surname and national identity document number or by means of a pseudonym which is recorded as such in an unequivocal one-to-one manner. In the case of legal persons, by their name or registered tradename and tax identification code.

f) The signature verification data corresponding to the signature creation data kept under the control of the signer.

g) The beginning and end of the certificate’s validity term.

h) The certificate use limits, if any.

i) The threshold value of the transactions for which the certificate can be used, if any.

3.- Recognised certificates can also contain any other circumstance or specific attribute of the signer if significant in light of the certificate’s purpose and providing the former asks for same.
Secure Signature Creation Device

Requisites of the secure signature device. Title IV, Chapter I, Article 24.3 Act 59/2003

1. It has to guarantee that the data used for generating the signature can be used only once and it must also give reasonable assurance of its secrecy.
2. It has to give reasonable security that said data cannot be derived from the verification of the signature itself and that the signature cannot be forged with the technology to hand at each particular moment.
3. It has to ensure that the signature creation data can be reliably protected by the signer against use by others.
4. It has to ensure that the device used does not change the data or document to be signed or prevent the latter from being shown to the signer before the signing process.

In the opinion of the European Standardization Committee it should be a Signature Creation Device Smart Card with processor.

Recognised e-signature of the Bar

- E-signature of the Bar Certification Authority (ACA in Spanish initials)
  - Based on a Recognised Certificate issued by the Bar Societies as registration authorities.
  - Generated on a Secure Signature Creation Device
- User kit
  - Smart card:
    - Secure signature creation device which guarantees that the signature creation data are under the exclusive control of the signer.
    - Forger proof and duplication proof
  - PC Reader
  - CD-Rom with software
    - Netscape Plugin
    - Explorer Plugin
    - Outlook Plugin
- User Attention Centre (902 411 141)
Infraestructura Tecnológica de la Abogacía

ADVOCACY IT PROJECT

What is the new bar membership card? 3
- Types of e–signature
- The recognised e–signature of the Bar

Why is it being set up? 14
- Objectives of the ADVOCACY IT PROJECT
- Headway made

What can we do TODAY with the new membership card? 24
- General uses of digital certificates
- Online services of the general government
- Online services of the Bar

What will we soon be able to do? 42
- Online services in development phase

CONCLUSIONS 51 13

Project Objectives

• 1. Contribute added value to the Bar by facilitating legal practice through the internet.
   2. Improve control over the code of good practice and the services of Bar societies for their members.

WHEREWITHAH:

1. Regulation framework providing the necessary legal certainty:
   - Procedural law reforms
2. Security tools conducive to the objectives: Digital certificates and secure websites.
3. Development of the necessary online services for exercising the profession.
   - Between the lawyer and the justice administration
   - Between the lawyer and the rest of the general government
   - Between the lawyer and the Bar
   - Between third party lawyers

ADVOCACY IT PROJECT
Infraestructura Tecnológica de la Abogacía

Strategic Lines 2004–2007

1. Bringing the Bar’s e-signature to the notice of all Bar Societies: Promotion and setting up of registration authorities, training of Bar Societies and their members.

2. Accreditation of ACA certificates so that they can be used for online services set up by the general government.

3. Backup and hosting services for Bar Societies: Domain hosting and backup, email accounts and websites of the Bar Societies.

4. Development of secure web services for the Bar to be offered by the Bar Societies to their members.

5. Joint development of new online services with other institutions (Registrars, Legal Representatives, General Council of the Judiciary Power, Notaries Public, etc.) and firms (Aranzadi, PO and the Law, etc.)


Summary of Registration Authorities

<table>
<thead>
<tr>
<th>RAs Solicitadas</th>
<th>Número de Colegios</th>
<th>Colegiados</th>
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<tbody>
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<td>RAs Constituidas</td>
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<td>RAs Preparadas</td>
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<td>RAs Operativas</td>
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<td>7.092</td>
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### ACA Bar Membership Cards (I)

<table>
<thead>
<tr>
<th>Bar</th>
<th>Membership Card</th>
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</thead>
<tbody>
<tr>
<td>A Coruña</td>
<td><img src="image1" alt="A Coruña Bar Membership Card" /></td>
</tr>
<tr>
<td>Badajoz</td>
<td><img src="image2" alt="Badajoz Bar Membership Card" /></td>
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<td>Cádiz</td>
<td><img src="image3" alt="Cádiz Bar Membership Card" /></td>
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<td>Alcalá de Henares</td>
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<td>Baleares</td>
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### ACA Bar Membership Cards (II)

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<td>Las Palmas</td>
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Infraestructura Tecnológica de la Abogacía

ACA Bar Membership Cards(III)

- Manresa Bar
- Mataró Bar
- Melilla Bar
- Murcia Bar
- Oviedo Bar
- Pamplona Bar
- Pontevedra Bar
- Reus Bar
- Sabadell Bar
- Salamanca Bar
- Sant Feliu Bar
- Santa Cruz de Tenerife Bar
- Santiago de Compostela Bar
- Seville Bar
- Tafalla Bar

ACA Bar Membership Cards(IV)

- Tarragona Bar
- Terrassa Bar
- Teruel Bar
- Tortosa Bar
- Tudela Bar
- Valencia Bar
- Valladolid Bar
- Vic Bar
- Vigo Bar
- Vizcaya Bar
- Zaragoza Bar
### ACA Accreditations vis-à-vis the General Government

<table>
<thead>
<tr>
<th>Ministerio de Industria - Registro PSC's</th>
<th>Estatal</th>
<th>Registrado</th>
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<tr>
<td>Administración del Ministerio de Industria - Registro PSC's</td>
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<td>Registrado</td>
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<td>Agencia Estatal de la Administración Tributaria</td>
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<td>Colegio de Registradores Estatal</td>
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<tr>
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<td>Paralizado</td>
</tr>
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</table>

**AS THINGS STAND:**
- Accredited in 14 public authorities
- In process in another 20 public authorities
- Stated objective of reaching all the online services of the general government

### Hosting Services for Bar Societies

| ALCALA DE HENARES | En Servicio | 517 |
| ALICANTE | En Servicio | 2960 |
| ALMERIA | Solicitado | 1104 |
| ANTEQUERA | En Servicio | 119 |
| AVILA | En Proceso - | 0 |
| BADAJOZ | En Proceso | En Servicio | 1381 |
| BALEARES | En Servicio | En Servicio | 2808 |
| BURGOS | En Proceso | En Servicio | 842 |
| CÁCERES | En Servicio | 729 |
| CÁDIZ | En Servicio | 1728 |
| CASTELLÓN | En Servicio | En Servicio | 1098 |
| CEUTA | Solicitado | 240 |
| CÓRDOBA | En Servicio | 1541 |
| CORUÑA, LA | En Servicio | 2088 |
| ELCHE | En Servicio | En Servicio | 629 |
| ESTELLA | Solicitado | 59 |
| GIJÓN | Solicitado | En Servicio | 1082 |
| GIRONA | En Servicio | 1114 |
| GRANADA | En Servicio | 2525 |
| HUELVA | En Servicio | 1023 |
| HUESCA | En Servicio | 291 |
| JAEN | En Servicio | En Servicio | 1271 |
| JEREZ DE LA FRONTERA | En Servicio | 463 |
| MELILLA | Solicitado | Solicitado | 200 |
| MURCIA | En proceso | En Servicio | 2171 |
| LEON | En Servicio | 1717 |
| ORIHUELA | En Servicio | En Servicio | 548 |
| OURENSE | Solicitado | 690 |
| OVIEDO | En Servicio | 2697 |
| PAMPLONA | En Servicio | En Servicio | 1328 |
| REUS | En Servicio | 286 |
| RIOJA, LA | En Servicio | En Servicio | 585 |
| SABADELL | Solicitado | 729 |
| SANTA CRUZ DE TENERIFE | En Servicio | 2326 |
| SEVILLA | En Servicio | 6200 |
| SORIA | En Servicio | En Servicio | 171 |
| TERRASA | En Servicio | 588 |
| TERUEL | Solicitado | 150 |
| VALLADOLID | En Servicio | En Servicio | 1191 |
| VIGO | Solicitado | - | 0 |
| VIZCAYA | En Servicio | En Servicio | 3913 |
| ZARAGOZA | Solicitado | En Servicio | 2430 |

**AS THINGS STAND:**
- 40 mail domains
- 19 Bar Society Webs
- 53,500 Bar members
What can we do TODAY with the new membership card?

1. General uses (any Recognised Certificate)
   - Signing of emails
   - Encrypting of emails
   - Signing of Ms Office and Adobe documents

2. Online services of the general government in which ACA is accredited:
   - Tax Authority
   - CATCERT (Cat365): Open administration of Catalunya

3. Online services of the Bar (www.redabogacia.org):
   - Generation of prison passes
   - Communications of Professional Intervention (for exercising outside the home Bar Society)
   - General Lawyers’ Roll
   - Document Repository
   - Authenticated email: BUROMAIL
ACA Certificates in the Tax Authority

- ACA’s lawyer certificates have been accredited by the Tax Authority for carrying out online transactions.
- ACA digital certificates can be used for presenting both individual and third-party returns.
- Own returns call for no formality whatsoever.
- For presenting returns in the name of third parties, it is necessary for your Bar Society to have signed the Social Collaboration Convention with the State Tax Authority. Each user shall individually sign the Convention, for which he/she has to visit his/her local tax office.
- To deal with any problem the State Tax Authority runs a technical support number on which the particular problem can be monitored. The number is 901200347.
- The help page for the online presentation of the tax return to the State Tax Authority is shown below:

http://www.aeat.es/prestelem/home.html
The Online Services of the Bar

- The Online Services of the Bar are offered through a secure Extranet called RedAbogacia.
- ACA Digital Certificates are essential prerequisites for accessing RedAbogacia.
- RedAbogacia is NOT a website but rather a personalised portal offering access to certain services, depending on the user requesting access:
  - For example, Communications of Professional Intervention and Prison Passes are offered only to exercising Bar members
- The secure zones of each Bar Society are accessed through their own websites. They can also be accessed from the entrance website: www.redabogacia.org
- The following services are currently up and running:
  - Generation of Prison Passes
  - Communications of Professional Intervention
  - General Lawyers’ Roll
  - Bar Society Document Repository
  - LexNet
  - SecuriWeb
- Each Bar Society decides whether or not to offer the services to its members.

Private Zone Structure of each Bar Society in RedAbogacia.org

Details of the Bar Society owning the PRIVATE ZONE
Details of the member taken from the Digital Certificate contained in the chip of the membership card

Services of REDABOGACIA permitted for each Bar member:
The services each member is entitled to access depend on his/her type of membership.
RedAbogacia Service Types

All the services of RedAbogacia.org are designed to make the exercising of the profession easier. They can be broken down into three groups on the basis of their origin.

**BAR SERVICES**
- Communications of Professional Intervention
- Generation of Prison Passes
- Reference of the General Lawyers’ Roll
- BuroMail
- Etc.

**SERVICES IN COLLABORATION WITH THE GENERAL GOVERNMENT**
- Online presentation of legal documents (LexNet)
- Online mercantile registration
- Judicial Agenda
- Etc.

**SERVICES OF INTEREST IN COLLABORATION WITH THIRD PARTIES**
- Case law
- Legislation
- Virtual Post Office
- Etc.

Each Bar Society decides which services of RedAbogacia it wishes to offer to its members through its Private Zone.

The services offered by the Bar Society are controlled by the Society itself.

Prison Passes
Prison Pass Generation Service

- **Eligibility:** Bar Society Member, Bar Society Personnel, Prison Personnel

Certified Lawyer

Digitally signed declarations

Internet

Red Abogacía

Bar Personnel

Prison access
Communications of Professional Intervention

General Lawyers’ Roll
BuroMail: authenticated email

Platform that allows authenticated communication between lawyers (initially) with the following basic characteristics:

- Possibility of sending emails to any certificate-holding user who is registered for the service.
- Acknowledgement of receipt sent by the platform.
- Acknowledgement of reading the email when the receiver opens it.
- Message arrival notification service, acknowledgements of receipt and acknowledgements of reading by SMSS and/or conventional emailbox.
- Encrypted communications at session level (SSL).
Buromail Operation Scheme

**Messages sent screen**

**File management screen**
Access to the Bar Society web with certificate

Mechanism for access to the Bar Society website allowing members to use the ACA certificate as a password to access the private part:

- Installation regardless of where the website is hosted.
- Easy implementation on websites, whether or not they have a previously configured private zone.
- Possibility of joint use of access with “user name and password”.
- Currently available for IIS+asp platforms.
- Currently in development for Apache+php platforms. (linux)
The following services have to date been developed and implemented for all lawyers with ACA Certificates through the secure zones of each Bar Society:

- Prison pass generation service with e-signature
- Service of Communications of Professional Intervention with e-signature
- Reference service of General Lawyers’ Roll
- Document search and reference service
- Authenticated email service (BUROMAIL)
- User name and password deletion service on the Bar Society websites (SECURIWEB)
- Secure access service to the LexNet platform of the Justice Ministry, notification by SMS and replica of official mailboxes.

What is the new bar membership card?
- Types of e-signature
- The recognised e-signature of the Bar

Why is it being set up?
- Objectives of the ADVOCACY IT PROJECT
- Headway made

What can we do TODAY with the new membership card?
- General uses of digital certificates
- Online services of the general government
- Online services of the Bar

What will we soon be able to do?
- Online services in development phase

CONCLUSIONS
New Services in 2005

The following third-party services are due to be completed and brought on line in RedAbogacia this year.

- Reference of the Mercantile Register. Presentation of annual accounts.
- Virtual mailbox: Sending of letters, telegrams and bureaufaxes from RedAbogacia using the new Bar membership card with digital certificates.

Online Registration

Development of useful applications for the legal profession with the National Association of Registrars. The services initially offered will be those available on the Hermes Platform of the Registrars Certification Service (SCR in Spanish initials):

- In the first phase it is planned to offer the services of Presentation of Annual Accounts and certifications. Reference of the Mercantile Register and the Land Register will be included in a second phase.
- This service is currently in test phase; it is due to be brought on line for the next presentation of annual accounts.
Online Registration

- Integration architecture of RedAbogacia & Hermes Web

Integration based on point-to-point communications with tunnelling mechanisms.

Certified Lawyer

Internet

E-mail

SMS

Site of Lawyer Paul

Sent items

Inbox

VPN

Notification of receipt by SMS and e-mail

Sending of read notifications.

Integrated digital signature server.

Record of signed documents.

LexNET: Online Document Presentation Service

- Conceptual Scheme

1. - Sending of the digitally signed document.

2. - Reception and time-stamping of the document.

3. - Sending of the acknowledgement of receipt.

4. - Distribution to organisations: Notification to the legal counsel of the docket number or sending to the legal representative.

5. - Notifications to the legal counsel.

6. - Acknowledgement of receipt of the notification.
LexNET: Online Document Presentation Service

- Integration architecture of RedAbogacia & LexNet

Notices sent

Inbox

VPN

Mailbox

Organisations

Legal representative

Integration based on point-to-point communications with tunnelling mechanisms.

Certified Lawyer

E-mail

SMS

Notification of receipt by SMS and e-mail

Sending of read notifications.

Integrated digital signature server.

Record of signed documents.
Access to the Bar Society website with certificate

www.ica.es

State of the certificates

Agreements with the Law and the Post Office

In the ongoing quest of value-added services for members, two Collaboration Agreements were signed in April for developing new services offered from RedAbogacia.

- Free access to Códigos LA LEY, Revista de Legislación and Diario de Noticias
- Free subscription to Vigía de Colex Data
- Big price reduction on subscription to Colex Data if made with ACA certificate.

- On-line telegrams
- On-line letters
- On-line philately
- Soon, on-line Bureaufax
Infraestructura Tecnológica de la Abogacía

Iuris et Legis
 Legislación y Derecho (Legislation and Case Law Reference Service)

Contents of Editorial La Ley

Main Screen

Screen for access to Códigos La Ley

On-line Postal Services

- Digital post
- Online telegram
- Identification of certificate holders
- Online Bureaufax
- Online philately
- Locator of messages sent
- Post code searcher
- Price calculator
- Obtaining receipts
Infraestructura Tecnológica de la Abogacía

Post and Telegraph
Virtual Post Office

Main Screen

Screen for access to Códigos La Ley

What is the new bar membership card? 3
- Types of e-signature
- The recognised e-signature of the Bar

Why is it being set up? 14
- objectives of the ADVOCACY IT PROJECT
- Headway made

What can we do TODAY with the new membership card? 24
- General uses of digital certificates
- Online services of the general government
- Online services of the Bar

What will we soon be able to do? 42
- Online services in development phase

CONCLUSIONS 48

ADVOCACY IT PROJECT
CONCLUSIONS (I)

1. The Bar’s Technology Infrastructure Project initiated in 2004 and scheduled to last 4 years, has now achieved the following milestones:
   - After 18 months of work much headway has been made on deploying the Bar’s e-signature.
   - Work is underway on the accreditation of ACA certificates in the government authorities running online services and this is already up and running in those that do have services: State Tax Authority, Ministry of Public Administrations (Citizen’s mailbox) and Cat365.
   - RedAbogacia.org has been set up, the secure platform hosting the Bar Society’s online services.
   - Some of the new online services of use to the legal profession and based on e-signature have now been developed and put into operation, such as Prison Pass Generation, Communication of Professional Intervention, the Document Repository or the General Lawyers’ Roll.
   - The Bar Societies are providing backup to 53,000 members using the hosting services of RedAbogacia (email and Bar Society websites, mainly)

CONCLUSIONES (II)

2. The Bar Society’s acceptance of and demand for the project has far outstripped initial expectations. There were expected to be 25 Bar Societies operating by this time but in fact almost 44 have been completed. This situation has the following implications:
   - Great success among the Bar Societies, whose demand is nonetheless hard for the implementation staff to keep up with.
   - Backlogs are building up in training and the production of membership cards.

3. The project and the training in the use of the new services is being brought to wider notice and this is proving key to the success thereof:
   - The active participation of the Bar Societies is necessary in making the project better known among their members.
   - Notwithstanding the above, a large-scale coordinated training programme is being prepared by CGAE (Forintel Courses).
CONCLUSIONS (III)

4. Successful pursuit of the project’s objectives calls for the involvement and support of Bar Societies and members plus the collaboration of other organisations outside the law profession.

BAR SOCIETIES: The support of the Bar Societies is decisive for the success of the Project. They need to ensure that their members are fully informed of the project, trained and supported to make the most of it. Another basic task of the Bar Societies is the proposal of new online services that might be useful for members.

MEMBERS: Application for and use of the certificates. The use of ACA Certificates is beneficial to all concerned, all of whom have to be fully informed of these benefits. The service improvement suggestions made through the Bar Societies will also be used for improving the applications.

THANK YOU FOR YOUR ATTENTION

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