

Newsletter #08

IIIIII Winter 2009/2010 - Public Sector

Identity for social efficiency



News

Sealys - Secure documents

- Gemalto supplies Queensland drivers
- Gemalto contributes to Spain's eID program

Focus

Social efficiency, personal health records, fraud and identity high on the priority list

News

Coesys - Secure solutions

- Portugal issues electronic residence permits
- ePurse "post-activated" on Oman eID cards

Edito



IIIIII Neville Pattinson
*Vice president of Government
Affairs and Standards
Gemalto North America*

Here in the US, we are in the midst of a national identity crisis. As we increasingly rely on an online world, we are lacking an important foundation in our society which allows us to trust a person's identity. With no formal countrywide trust mechanism for presenting or authenticating our citizen's identity in real life or online, we need a trusted digital credential and identity management system to enable an authenticated future at our borders, for employment verification, in e-Gov 2.0, for cyber security and for the vital task of protecting citizens against identity theft.

A digital credential card coupled with a biometric identifier is a proven solution to this problem. By creating a countrywide identification and authentication program in which citizens could elect to enroll, their identity could be recorded and linked uniquely to them at enrollment by sealing it with a biometric identifier such as a fingerprint.

Such a digital ID card would be equipped with on-card biometric matching capability to ensure that when it is presented by the card owner, the owner's biometrics can be authenticated locally within the card and not have to be matched online with the enrollment biometric database.

It is time to address the need to manage and protect the identities of American citizens. We believe we cannot afford to leave our citizen's ID management and protection in the hands of anyone other than the federal government – our country deserves a nationwide credentialing system with only one responsible accountable issuer.

Strong leadership with a clear recognition of the wide-ranging benefits across all our real-life and virtual world needs will enable our society with a level of trust in credentials never seen before. With the issuance of trusted digital credentials to citizens, we can in one program create a universal foundation of trusted identity management for today and for future generations alike.

Neville Pattinson

eSignature for French businesses adopts European Citizen Card standards...

In May, ChamberSign, the French Chamber of Commerce and Industry's (CCI) certification authority chose Gemalto to supply digital ID and eSignature solutions for French businesses over the next two years.

The two million businesses registered with the CCI will thus enjoy simplified and safer online procedures such as tax, social security and VAT declarations, invoicing, and many other services including electronic responses to public sector tenders both in France and the EU.

Electronic signatures will be stored on personalized smart cards which meet the Identification, Authentication, Signature - European Citizen Card (IAS ECC) standard. Gemalto will deliver them as part of a complete solution including software, readers and online services from the Sealys portfolio. Integration support, personalization and distribution will be provided by partners BCA and NIS.



...and France advances in the e-readiness stakes

France has moved up seven places in the 2009 e-readiness rankings published by IBM and weekly publication The Economist. The report evaluates the capacity of 70 countries to use information technologies to develop their economies. The 2009 results revealed Gallic progression from 22nd to 15th place in terms of "e-administration and digital development".

However, the study did show France has room for improvement in terms of security issues, particularly in the area of digital signature authentication and online transactions.

The study considers that all countries must keep pace in terms of the security they offer for online access.

Sealys - Secure documents

Gemalto supplies Queensland drivers



July saw Gemalto partnering with Australian secure card manufacturer Placard Pty Ltd to provide several million Sealys electronic driver licenses to the Department of Transport and Main Roads in Queensland.

Currently, over three million Queensland drivers hold laminated driver licenses on which personal data is printed. The new cards will significantly improve the security and privacy of this data by securely storing driver information electronically. The new licenses will be tough to copy and counterfeit and thereby minimize the potential for identity theft.

The Department of Transport and Main Roads also plans to use this secure technology for its Adult Proof of Age, Marine License Indicator and Industry Authority cards.

Gemalto contributes to Spain's eID program



More than 250,000 Gemalto smart card readers were delivered to support the Spanish government's electronic ID project in November.

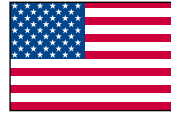
Gemalto's PC Twin TR readers will be used by Spanish citizens with their electronic ID card (DNI electrónico) to securely access various eServices such as eGovernment and eBanking, and to sign electronic documents.

The order was received via local distributor Diode from Red.es, an entity within the Spanish Ministry of Industry, Tourism and Trade in charge of driving the information society in Spain and for carrying out strategic projects.

The Spanish Government is providing the smart card readers to its citizens at no extra cost. This move is part of the new action plan to further boost use of national eID card in the country.

It is foreseen that at the end of 2009, 14 million citizens will hold a DNle card.

Gemalto launches SG FIPS secure USB token certified for U.S. federal government employees...



Gemalto announced FIPS 140-2 level 3 certification for its Smart Guardian (SG) FIPS smart card-based encrypted USB drive with personal identity verification (PIV) integrated authentication ability.

This first of its kind secure storage device is a zero-footprint smart card protected flash drive that meets U.S. military 810-F environmental standard and is now available to secure the mobile data of U.S. government employees.

It is critically important to protect data-at-rest with the same levels of security as for any classified information. As government employees become increasingly mobile and USB removable media drives become more ubiquitous, protecting the sensitive data on these mobile devices needs to be a top priority. The SG FIPS solves this by providing data-at-rest protection for all government data on the device without impacting user productivity, while the PIV integration provides the convenience of only having to remember one PIN.

Using this kind of two-factor authentication ensures that only the authorized PIV user has access to the data on the device. Any attempts to tamper with the device will result in destruction of the smart card crypto module rendering it useless to intruders.



...and doubles memory for its PIV card

Gemalto announced that its large memory Personal Identity Verification (PIV) card is now listed on the General Services Administration (GSA) Approved Product List (APL).

Gemalto has already begun volume deliveries of the card for the U.S. federal government's PIV program. The card has already received FIPS 201 and FIPS 140-2 certifications.

Social efficiency, personal health records, fraud and identity high on the priority list

At the Gemalto eHealthcare conference in Warsaw

On September 10 and 11, Gemalto organized a tailor-made customer event at the Hotel Mercure Fryderyk Chopin in Warsaw.

The event, which brought together some 40 attendees from 13 countries, was designed to support emerging eHealthcare projects and it provided a unique opportunity for all participants to discuss, share and exchange views in a dedicated setting.

We asked four participants what key points they keep in mind from this event.



IIIIII Boualem Touati
IT Director CNAS (Caisse Nationale des Assurances Sociales [National Social Security Fund]) Algeria

"The key to this in my view is the need for robust identification so that we can answer the question "who is paying for who and for what?" It is essential for better rationalization of health expenditure, for checking purposes and, above all, for the sustainability of the social security system. It would be illusory to think that the supply of services could remain anonymous.

Secondly, this identification highlights the importance of the original identity data including the central element providing proof of authenticity of the identity, which is the extract from the civil register.

Finally, the unique identification efforts, such as those that we have made within the social security system in Algeria, must be able to be used in other national projects, by pooling identifiers and management of processes.

We must obviously avoid the duplication of technologies, registering processes, verification, identity management, etc., for major forthcoming national projects, such as the identity card for example."



IIIIII Stefane Mouille
Head of e-Healthcare, Gemalto

"Each and every healthcare system is unique with specific social, political and economic environments. What I've heard in this seminar is that there's a coherent need to slash fraud and abuses everywhere. It's a major challenge for health insurances in the years to come."



IIIIII Marjan Suselj
Director of the HIC System Sector at the Health Insurance Institute of Slovenia.

"I now realize how difficult it is for large countries to introduce the second generation of Health cards integrating digital certificates in addition to current functionalities.

Slovenia, as a small country is certainly more agile. After a thorough 2 year-preparation work we have embarked on this change in March 2009 and are on schedule to finish for spring 2010.

As this conference is about sharing experience, I would say that the key challenges of our renovation include active participation of all actors, swift execution of changes without disruption of service and the introduction of acceptable, manageable and up-to-date ICT solutions. Key to the successful running of the operation is also the fact that the new system is fully backward-compatible with existing infrastructure."



IIIIII Noel Nader
International Project Coordinator, GIE SESAM-VITALE, France

"Every euro we lose to fraud and abuse is an euro that is not available to treat AIDS, to immunize children, or to discover new treatments for cancer and other diseases. Some fraud schemes even pose a direct threat to the health and safety of patients. From the feedbacks I got in this seminar, I understand that existing control systems do not work the way we imagine they should. Often the manner in which fraud schemes are revealed suggests that detection is more luck than system. That's why we need to build a system of references and set up indicators for security needs related to risks of fraud and errors. This framework will allow us to define the perimeter of what we want to evaluate at national level and of course for international exchanges. This organization put in place could help move from fraud detection to fraud prevention."

Coesys - Secure solutions Allynis - Secure services

Portugal issues electronic residence permits

The Imprensa Nacional-Casa da Moeda (INCM), the Portuguese mint and national printing office, has begun issuing Gemalto's Sealys Resident cards, compliant with the electronic European Residence Permit (eERP) specifications and the latest ICAO Extended Access Control standards. Gemalto will deliver 150,000 cards per year over the next three years and has also supplied INCM with its Coesys Issuance personalization solution. Portugal is thus fulfilling the EU recommendation that requires all 27 member states to roll out the eERP from 2010.

The eERP card provides temporary residence entitlement for non-EU citizens. It embeds a contactless chip which securely stores biometric data, simplifying residency entitlement verification and also stores ID data for social security and tax affairs. The contactless interface is mandatory and meets the same EU standards as biometric ePassports.



Coesys Mobile Enrolment unit makes enrolment flow



Gemalto's innovative new Coesys Mobile Enrolment unit is an all-in-one mobile enrolment solution. It offers a fully-functioning capture system containing all necessary devices, such as camera, fingerprint scanner, signature pad and laptop, for secure and simple enrolment on the move. An optional external battery can be

added to reach 8 hours autonomy. External battery can be charged on main power, on solar panels or using a car battery.

The Coesys Mobile Enrolment unit is a transportable version of Gemalto's Coesys enrolment desktop station and uses the same basic devices and software. It is a plug-and-play system requiring little maintenance and no special training.

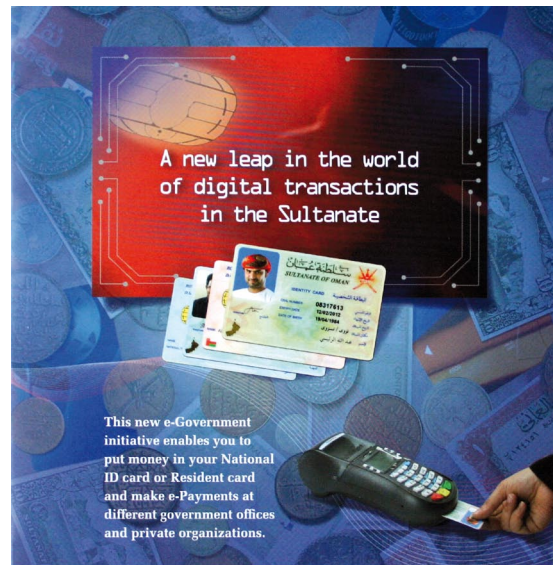
Robust, water and dust-resistant, the suitcase weighs between 10-18kg and protects its precious contents while offering easy transportation thanks to its rugged design.

The unit is the ideal solution for situations where the enrolment station has to go to the applicant for biometric data capture. It can also be used as a temporary solution for use in hospitals or other outlying offices.

ePurse "post-activated" on Oman eID cards

Some 500 Omani citizens activated the ePurse function in their eID cards in the very first days of the pilot in July. This is the first time an on-card application has been activated post-deployment and Gemalto is delighted to be able to offer such new eServices to citizens through their current eID cards.

The application uses Gemalto's turnkey Coesys ePurse solution, and includes an on-card ePurse, a post-issuance activation solution and a centralized transaction management system. The ePurse can be used to pay administrative fees for items such as certificates, registrations, licenses and visa applications as well as it can be for topping up cellphones and shopping in many stores.



Courtesy of ROP and BankMuscat

...and a prestigious UN award

In June, the Royal Oman Police's Civil Status System for national registrations received a major award from the United Nations in recognition of excellence in public service.

The UN's Public Service Awards acknowledge the creative achievements and contributions of public service institutions that lead to a more effective and responsive public administration. The scheme spotlights and promotes public service around the globe.

Gemalto is a partner to the Civil Status project, launched in 2004. The project records birth, death, marriages and divorces in the Sultanate and also handles eID cards for all citizens and residents.

Electronic driving licenses slash accidents and fraud in Mexico



Migration to smart card driving licenses has brought numerous advantages to regions and citizens alike. In the state of Nuevo León, between 2006 and 2008, yearly figures indicate a 22% decrease in accident injuries, a 34% decrease in alcohol-related accidents, and a decrease of 39% in road fatalities. In the same period, the number of vehicles increased by 19%.

The smart cards, which also act as an official ID, can store a range of driver information, such as their accident history or past breaches of the Highway Code. This represents an unquestionable advantage for the police and for the authorities responsible for issuing driver licenses.

In addition to an efficient new integrated back-office, the cards have brought drivers a higher sense of trust in their rights and duties when on the road.

Belgium launches a multi-channel communication campaign for eID

Courtesy of Fedict

In Belgium, communication is considered to be a crucial aspect in managing the country's modernization. A campaign to convince citizens of the merits of the eID program and promote new e-practices is currently being conducted across the country.

The campaign includes a web site in four languages with videos, Q&As, a country-wide roadshow and more... These actions are supported and relayed by local authorities.

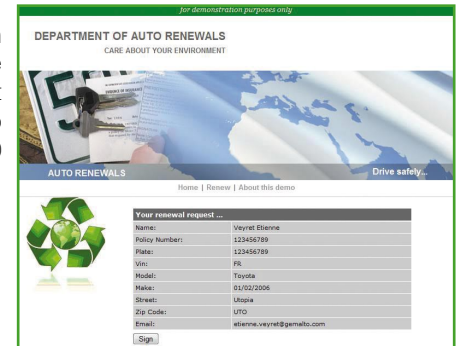
Find out more at: <http://welcome-to-e-belgium.be/>

Gemalto introduces Digital Signature Service (DSS) in its Coesys eGov 2.0 solution

Gemalto's DSS capability allows easy deployment of any Digital Signature scheme using national eID cards by drastically simplifying the interface between Identity Providers and Service Providers (eGovernment services, Internet Banking, eHealth portals...).

Service Providers now have the possibility to delegate the signature process to another entity (Identity Provider). With Gemalto's DSS, the signature process is now a service.

The signature operation happens without the need for client software, thanks to Coesys eGov 2.0 architecture.



Gemalto's white paper on «eGov 2.0: the keys to success» now available

How and why has eGov become a central component in governmental modernization?

How does it change the relationship between citizen and government?

Most importantly, how can governments decide on the most effective method of approaching this modernization process?

eGov 2.0: The Keys to Success expands on the basic concepts of eGovernment, analyzes citizen's expectations and creates a global architecture for a national e-Government 2.0 program.

Mail your request for an English, French or Portuguese version to: communications.publicsector@gemalto.com



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Any other topics or issues you'd like to read about?
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Gemalto (Euronext NL 0000400653 GTO) is the world leader in digital security with 2008 annual revenues of €1.68 billion, and 10,000 employees operating out of 75 offices, research and service centers in 40 countries. Gemalto is at the heart of our evolving digital society. The freedom to communicate, travel, shop, bank, entertain, and work—anytime, anywhere—has become an integral part of what people want and expect, in ways that are convenient, enjoyable and secure. Gemalto delivers on the growing demands of billions of people worldwide for mobile connectivity, identity and data protection, credit card safety, health and transportation services, e-government and national security. We do this by supplying to governments, wireless operators, banks and enterprises a wide range of secure personal devices, such as subscriber identification modules (SIM) in mobile phones, smart banking cards, electronic passports, and USB tokens for online identity protection. To complete the solution we also provide software, systems and services to help our customers achieve their goals. As the use of Gemalto's software and secure devices increases with the number of people interacting in the digital and wireless world, the company is poised to thrive over the coming years. For more information please visit www.gemalto.com.

