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## Digital Identities

### Securing Government interaction with Partners, Customers and Citizens.

WIS@key provides its CertifyID platform as the core component for the establishment of a trust management framework that enables governments and organizations to ensure control over the sovereignty of identity systems - and which also enables citizens, other governments and organizations to trust eIDs issued and managed.

**WIS@key CertifyID Platform enables** the creation and life-cycle management of Electronic Identities (eIDs) for the citizens and business services, allowing eID checking and verification.

- Optimize benefit distribution processes
- Prevent tax fraud, entitlement fraud and other ID fraud
- Improve global standing of the citizens
- Support an open & fair democratic process

In a global, connected world, governments compete for talent, resources, and revenue. Governments operate on a scale of global economies, and they must maintain a global perspective, even when their service is local. In emerging markets, micro-businesses move from the informal economy to the formal economy through technology innovation, such as enabling micro-purchases via mobile phones.

The drive for timely decision-making and collaboration is so acute, however, that in many agencies, government workers are dependent on the most fragile of systems: e-mail. Estimates indicate that, by 2010, the average knowledge worker will receive no less than 50 times as many e-mails as in 1997. At present, people spend about 30 percent of their working time researching, arranging, managing, and distributing information.

Today, software and services deliver pervasive capabilities to enable people to work together more effectively and deliver faultless services to citizens. In this rapidly evolving model, identity management and Digital Identities are the key pillars for the

future of government work in building an online trusted relationship. These capabilities are fundamental to government operation, and they will help realize the efficiency dividend and ensure accountability and transparency.

### eIDs

eID stands for Electronic Identification, whereby every citizen in participating countries will eventually receive a smartcard based eID Card.

By end-2008, it can be expected that about 30,000,000 eID cards will be distributed in the participating EU countries. We anticipate that this massive roll-out will result in many applications that are eID compliant and will basically create a new way of performing Internet authenticated transactions.

An eID gives users a trustworthy way of identifying themselves online and can be used in a variety of environments. The eID contains an electronic chip like modern credit cards, and is gradually replacing the existing ID card system in many countries around the world.



## Advanced e-government managing services using eID Platform:

- ✓ Identity Cards
- ✓ Passports
- ✓ Election Management
- ✓ Entitlement Cards
- ✓ Drivers Licenses
- ✓ Foreign Residents
- ✓ Government Information
- ✓ Arms License



For more information, please visit:  
[www.wisekey.com](http://www.wisekey.com)

## Unique Trust Model

WIS@Key has developed an unique neutral Trust Model and ROOT technology which is must-have requirement for any country moving their national identification to eIDs.

WIS@Key is presently recognized as the best company in the world able to deploy a security infrastructure based on national Roots interoperating among them via a global ROOT process.

The national Roots are essential to deploy eID infrastructures as they ensure government's total control of their national identification process and sovereignty. It also allows the possibility to enable compatibility between different national eIDs in a similar way that a national passport is recognized by other countries in order to allow citizens to travel around the world.

## eID Applications

Taking into consideration these circumstances and the future evolution of government and citizen needs, WIS@Key has developed a trust framework, technological platforms (e.g. CertifyID) and applications (e.g. e-voting) that enable the deployment, servicing and management of electronic identity systems in a neutral and interoperable manner. These developments have made WIS@Key a key player in the deployment and servicing of trusted information and communications systems.

## eID Platform

Leveraging on the Microsoft Platforms, their low cost, their quality and their installed base, WIS@Key has designed its eID platform, products and services based on the Microsoft Windows Server 2003 PKI system allowing CertifyID and the WIS@Key Trust Framework to be used in MS Office, authentication to web sites secured by ISS, VPN gateways through MS ISA, secure email via MS Outlook, Windows Smartcard Logon in Windows 2000 and XP, digital rights management through Rights Management Services, document signing and protection in

Microsoft Office, file and folder encryption through Windows EFS as well as other services.

The functionalities provided by CertifyID can further be extended to content filtering, gaming and other applications requiring some form of secure access control or authentication process.

## Enabling e-government services

We are now seeing a shift from traditional documents that merely identify individuals by their appearance, or are used to verify their entitlement to drive or travel, to a document that not only enables citizens to securely access e-government services, but enables government modernisation; from health information to police administration, from judicial systems to social security support, and from government-to-government interactions to internal communications.

## A modern national identity scheme

Nations are also moving towards not only being able to guarantee an individual's identity for their own benefit, but also for other citizens, companies and other organizations. This enables governments to act as the Certification Authority; providing public and private keys to permit digital transactions as well as to ensure data security through encryption.

## Solution Summary

Based on these new requirements WIS@Key and Microsoft have designed and implemented a secure and robust - yet open - National Identification Solution (NIS).

