



## SMART CARDS

### 1. Technical specifications of smart cards:

Encryption:	HTTPS protocol with SSL encryption, at least 128 bit cipher strength, preferable 256 bit (depends on the USER system)
Time-out:	After an inactivity of 20 min the connection will be interrupted automatically. Uploads or downloads effect not the time-out counting. Consequently uploads or downloads that will take more than 20 min are not possible.
Validity period	Smart cards are valid for the period of one year (365 days after date of issue). After one year of accounts: a new valid smart card can be obtained by sending the old card to the EMTOC Trust Centre. After receipt of the old card the EMTOC Trust Centre will provide a new valid one.

#### SmartCards / Reader

Cards:	Classic Trusted PKI Card (or Classic TPC) that complies with the international standards (JavaCard, Global Platform, ISO7816, part 1-3), 85.60 x 53.98 mm
Product:	Gemalto PC Pinpad Reader
Product No.:	HWP113026 B
Security:	Class 2 reader with independent display and pinpad
Connection:	USB port
Description:	A class 2 reader featuring a keypad and display, adding Secure PIN Entry (SPE) functionality to the Gemalto PC-Link readers range.
Driver:	Available at the website of Gemalto Website Gemalto-Support: <a href="http://support.gemalto.com/">http://support.gemalto.com/</a> Self support; Download; PC-Link Readers; PC Pinpad
Select Operating system and language (EN, FR).	(Direct link: <a href="http://support.gemalto.com/?id=63">http://support.gemalto.com/?id=63</a> )

Client software to operate the smart card is freely available from Trust Centre at:  
[http://www.rivm.nl/emtoc-ca/Classic\\_Client\\_32\\_User\\_setup.msi](http://www.rivm.nl/emtoc-ca/Classic_Client_32_User_setup.msi)

Smart card readers can be purchased at IT webwinkel, but many other companies can supply, as well. ITwebwinkel (IT web shop), Kuiperbergweg 11, 1101 AE Amsterdam Zuidoost  
tel : +31(0)20 708 55 55;  
fax : +31(0)20 708 55 58  
email : [g.ludding@itwebwinkel.nl](mailto:g.ludding@itwebwinkel.nl)

- **Security and confidentiality**

PC Pinpad Reader provides a highly secure way to enhance your smart card-based application, by protecting the smart card PIN code from unauthorized access. The PIN code is entered locally and safely on the reader, and is thus never transmitted to the PC. This is especially relevant for corporate security, Internet commerce and online banking services, where strong security and confidentiality is a must. PC Pinpad is made of a tamper evident case with security marking.

- **Ease of use**

PC Pinpad Reader comes with a large 2 lines and 16 characters display, to guide the user at PIN entry and change operations. User interface is available in several languages and new ones can be easily programmed.

- **Standards based**

Compliant with PC/SC 2.0 part 10 for Secure Pin Entry devices.



### 2. Installation and use of SmartCards

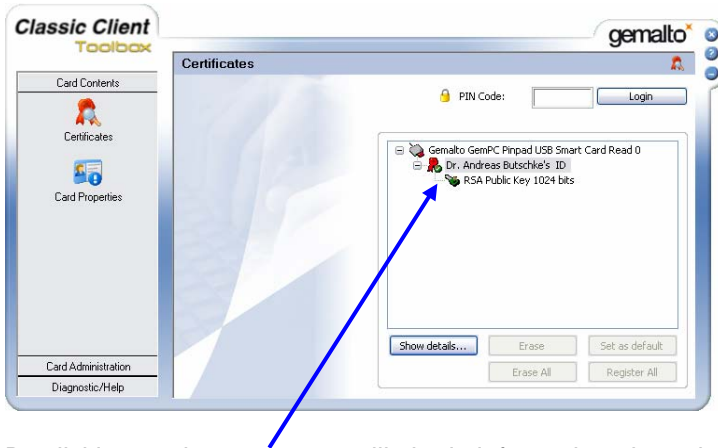
The downloaded executable file 'Classic\_Client\_32\_User\_setup.msi' will install the driver as well as the toolbox of the Gemalto SmartCard reader. Don't plug in the reader in the USB port before the software and driver was successfully installed. Please follow the instructions of the installer. After the installation of the software an icon appears in the Windows task bar (bottom of screen) that shows whether the Card

Reader is plugged in or not and if a SmartCard is inserted into the connected Reader. The SmartCard has to be inserted into the reader when a dialog window appears after connecting the EMTOC server. Access to the EMTOC server will only be granted with valid certificate. After inserting the SmartCard, the input of the PIN in the keypad of the reader is requested.

### 3. Information about the certificate

Connect the reader to the PC and insert the EMTOC SmartCard. Press at the left side the button 'Certificates'. At the right side the connected reader and the certificate will be listed. Select the entry that is marked with the red key and press the button 'Show details...'

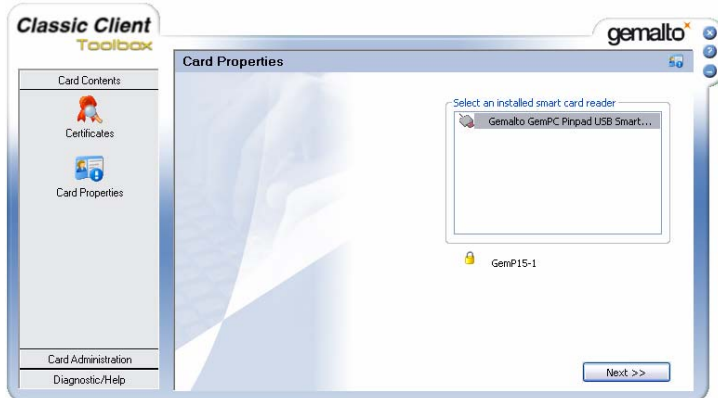
Validity of smart card is 12 months (we try to prolong to three years). Return card to Trust Centre in time to update the validity.



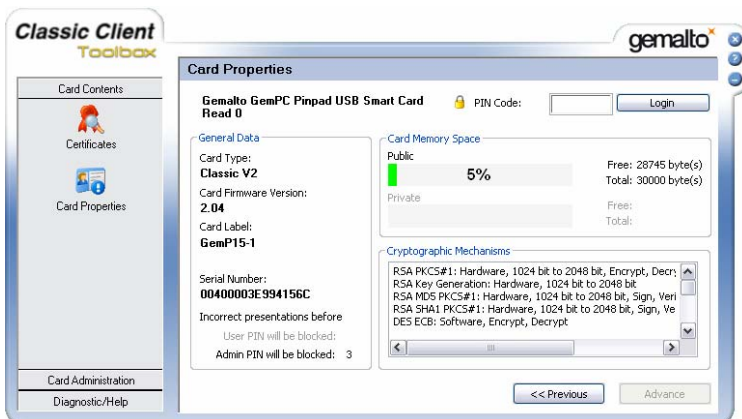
By clicking on the name, you will obtain information about the date of issue and validity period.

### 5. Card Properties

Please connect the reader to the PC and insert the EMTOC SmartCard.



Select the relevant reader and press the 'Next >>' button. Information about the inserted card will appear in the next window:



Press at the left side the tab 'Card Administration', select the relevant reader and press the 'Next>>' button.

**HOW to use EMTOC (e.g. how to upload data)?**

1. Connect your pin card reader
2. Insert your pin card
3. Login in EMTOC system by typing <https://www.emtoc.eu/manufacturers>
4. The system will ask to give your PIN
5. The following page will appear If the PIN typed is correct:



- To log in: Type login name and password.
- Option: change the language.
- Please, remove the SmartCard after finalising the actions at the EMTOC portal and store it securely.

When you have the failure message depicted below:

1. fully close your browser (Internet explorer)
2. restart the browser
3. login again.

If you get the same failure message: contact trust centre by E-mail and attach in your mail the screen shot of the failure message.

**EMTOC system is not running under Firefox (under development).****The page requires a client certificate**

The page you are attempting to access requires your browser to have a Secure Sockets Layer (SSL) client certificate that the Web server will recognize. The client certificate is used for identifying you as a valid user of the resource.

Please try the following:

- Contact the Web site administrator if you believe you should be able to view this directory or page without a client certificate, or to obtain a client certificate.
- If you already have a client certificate, use your Web browser's security features to ensure that your client certificate is installed properly. (Some Web browsers refer to client certificates as browser or personal certificates.)

HTTP Error 403.7 - Forbidden: SSL client certificate is required.  
Internet Information Services (IIS)

Technical Information (for support personnel)

- Go to [Microsoft Product Support Services](#) and perform a title search for the words **HTTP** and **403**.
- Open **IIS Help**, which is accessible in IIS Manager (inetmgr), and search for topics titled **About Certificates**, **Using Certificate Trust Lists**, **Enabling Client Certificates**, and **About Custom Error Messages**.

**Change of PIN code**

**ADVISE: DO NOT CHANGE THE PIN !!**