

GemSAFE Installation User manual

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1 INTRODUCTION

The use of GEMSAFE smart card technology by the Spanish Electricity Market introduces as a requirement, for those agents that require its use, the installation of GEMSAFE software on PCs used for accessing the market, which allows accessing the information (certified) included in the safety card.

GEMSAFE readers themselves or other types of standard readers that are available on the market may be used.

Chapter 3 describes the process for installing the GemSafe software once the Gemplus card reader is connected to the PC.

2 UNINSTALLING PREVIOUS SOFTWARE VERSIONS

To install the latest GEMSAFE Software version requires uninstalling the previous versions that may be installed in said product (if applicable. Otherwise go to paragraph 3).

To uninstall GemSafe 3.2, first go to the Control Panel and click on 'Add or remove programs'. Software "GemSAFE Libraries" must be uninstalled.

🐻 Agregar o quit	ar programas		
5	Programas actualmente instalados: Mo <u>s</u> trar actualizaciones	Ordenar por: Nombre	*
Ca <u>m</u> biar o quitar	ComponentOne VSFORUM2	Tamaño	10,63MB 🔼
programas	ComponentOne VSSPELL 8.0	Tamaño	13,18MB
1	ComponentOne VSVIEW 8.0	Tamaño	9,15MB
Agregar nuevos	Crescent QuickPak VB/J++ 1.12	Tamaño	4,81MB
programas	🔀 CSTextControl Update		
1	🚰 First Impression 6	Tamaño	11,00MB
Agrogat o guitar	🚰 Formula One 6 ActiveX	Tamaño	11,99MB
componentes de	🔀 Gemplus Smart Card Reader Tools	Tamaño	0,43MB
windows	🍘 GemSAFE Libraries	Tamaño	<u>9,50MB</u>
	Haga clic aguí para obtener información de soporte.	Utilizado	<u>casi nunca</u>
Configurar acceso	Para cambiar o quitar este programa de su equipo, haga clic en Cambiar o quitar	Cambiar	Quitar
predeterminados	👙 J25E Runtime Environment 5.0 Update 10	Tamaño	120,00MB
	👙 J2SE Runtime Environment 5.0 Update 6	Tamaño	119,00MB
	🔂 Java Runtime Environment 1.1	Tamaño	5,52MB
	😼 Macromedia Flash Player 8		
	🔯 McAfee VirusScan Enterprise	Tamaño	17,20MB
	📴 Microsoft Office Professional Edition 2003	Tamaño	415,00MB
	Microsoft Outlook Web Access S/MIME	T2-	

Click on remove and the following pop-up will be displayed.



Click Yes and the following pop-up screen indicating the progress of the de-installation will appear.



Click on accept and the de-installation will be complete.

If the de-installation requires a restart, we will do this prior to installing the new version.

If the GemSafe version to be uninstalled is 4.2 SP3, then the process would be very similar. In this case the Software to be uninstalled in 'Add or remove programs' would be identified as "GemSafe Libraries 4.2.0 SP3".

🐻 Agregar o qui	tar programas		
5	Programas actualmente instalados: Mostrar actualizaciones	Ordenar por: Nomb	ore 💌
Ca <u>m</u> biar o quitar	ComponentOne VSVIEW 8.0	Tamaño	9,15MB 🔼
programas	Crescent QuickPak VB/J++ 1.12	Tamaño	4,81MB
	🔀 CSTextControl Update		
Agregar nuevos	🚰 First Impression 6	Tamaño	11,00MB
programas	🚰 Formula One 6 ActiveX	Tamaño	11,99MB
1	🔀 Gemplus Smart Card Reader Tools	Tamaño	0,43MB
	🔗 Gem5afe Libraries 4.2.0 SP3	Tamaño	135,00MB
componentes de	<u>Haga clic aguí para obtener información de soporte.</u>	Utilizado	<u>casi nunca</u>
Windows	S	e utilizó por última vez	17/05/2007
	Para cambiar o quitar este programa de su equipo, haga clic en Cambiar o o	quitar. Cam	biar o quitar
Configurar acceso	👙 J2SE Runtime Environment 5.0 Update 11	Tamaño	120,00MB
y programas predeterminados	👙 J2SE Runtime Environment 5.0 Update 6	Tamaño	119,00MB
	🛃 Java Runtime Environment 1.1	Tamaño	5,52MB
	🛃 JXplorer	Tamaño	4,48MB
	🔯 McAfee VirusScan Enterprise	Tamaño	17,20MB
	🔡 Microsoft Office Professional Edition 2003	Tamaño	415,00MB
	O Microsoft Outlook Web Access S/MIME	Tamaño	0,50MB
	🔛 Microsoft Text-to-Speech Engine 4.0 (English)		✓

Click on the 'Change or remove" button:



Click on Accept and a series of de-installation of modules screens will appear:





Finally a note stating the de-installation has been completed will appear:

InstallShield Wizard	
E GEMPLUS	uninstall acabado. InstallShield Wizard ha finalizado la realización de las operaciones de mantenimiento en Gemplus.
	< <u>A</u> trás Finalizar Cancelar

The computer must be restarted prior to installing the new version:



If the GemSafe version to be uninstalled is 6.0 the software to be uninstalled in 'Add or remove programs' would be identified as "Classic Client 6.0 Patch1".

					×
C Panel de control	 Programas Programas y características 		- ∮ 9	Buscar Pro	<mark>P</mark>
Ventana principal del Panel de control Ver actualizaciones instaladas Activar o desactivar las características de Windows	Desinstalar o cambiar un programa Para desinstalar un programa, selecciónelo en la lista y despu	iés haga clic en [Desinstalar, Cambiar o Reparar.		
Instalar un programa desde la	Organizar 🔻 Desinstalar Reparar				0
red	Nombre	Tamaño			-
	Check Point Deployment Shell	351 KB			
	Check Point SSL Network Extender Service	787 KB			
	Check Point SSL Network Extender Service	783 KB			
	🖻 Citrix online plug-in				=
	Classic Client 6.0 Patch1 for 64 bits	50,3 MB			
	CommitMonitor 1.7.1.597	2,28 MB			
	Compresor WinRAR				
	Crystal Reports Basic for Visual Studio 2008	173 MB			
	Crystal Reports Basic Runtime for Visual Studio 2008 (x64)	64,6 MB			
	🔚 Dell Backup and Recovery Manager	120 MB			
	Dell ControlPoint Security Manager				
	Dell Security Device Driver Pack				
	Dell Touchpad				
	Direct Oracle Access for Delphi 6				
	Second Se				
	Optimized AJAX Edition 4.0	91,8 MB			
	Erlang OTP R16B (5.10.1)				Ŧ
	Gemalto Versión producto: 6.00.100.002 Vínculo de Ayuda: http://support.gemalt	Vínculo de so Información	oporte http://www.gemalto.com n de ac http://support.gemalto.com		

Click on the 'Change or remove" button:

Programas y características			
¿Está seguro de que desea desinstalar Class	sic Client 6.0 Patch1 for 64 bits?		
No volver a mostrar este cuadro de diálogo	Sí No		

Click on Accept and a series of de-installation of modules screens will appear:



The computer must be restarted prior to installing the new version:

Classic Client 6.0 Patch1 for 64 bits
Debe reiniciar el sistema para que los cambios de configuración efectuados en Classic Client 6.0 Patch 1 for 64 bits tengan efecto. Haga clic en Sí para reiniciar el sistema ahora o elija No si tiene previsto reiniciarlo manualmente más tarde.
Sí No

The computer must be restarted prior to installing the new version:

Reboot Dialog
La instalación ha terminado de copiar los archivos en el equipo. Antes de utilizar el programa, es necesario reiniciar el equipo.
Elija una de las opciones siguientes y naga cilo en Aceptar para finalizar la instalación.
Sí, deseo reiniciar el equipo ahora.
No, reiniciaré el equipo más tarde.
Aceptar

3 GEMSAFE SOFTWARE INSTALLATION

The Operating System that is being used will determine what version of the GemSAFE software provided by OMIE must be installed:

- Windows XP users must install version 5.1.1.
- Windows 7 (32/64 bits) users must install version 6 on the 32 or 64 bits as applicable.

3.1 INSTALLATION OF GEMSAFE STANDARD EDITION 5.1.1

Version 5.1.1 of the GemSAFE libraries provided by OMIE are distributed in a .zip file with three components to be installed (in the indicated order):

- GemSafe_Standard32_User_setup.msi : Software GemSAFE 5.1.1
- *GemSafe_GPK_Support_setup.msi* : Module for compatibility with cards GPK16000
- *RCNotIncluded.reg*: Windows registry key recommended by GemAlto support

As a first step, unzip the .zip file in a temporary directory and extract its contents.

To start the installation of the GemSAFE 5.1.1 controllers, execute file GemSafe_Standard32_User_setup.msi:



The installer will compile the required information prior to showing the first screen (this process may last several minutes):



Click on 'next':

记 GemSafe Standard Edition 5.1.1 - InstallShield Wizard
Contrato de licencia Lea cuidadosamente el acuerdo de licencia siguiente.
LICENCIA DE USO DE SOFTWARE PARA USUARIO FINAL IMPORTANTE - LÉASE ATENTAMENTE: Esta Licencia de uso de Software para Usuario Final para uso de Software propiedad de Gemplus (en lo sucesivo, la "Licencia"), obliga al licenciatario (definido más adelante) y la filial o subsidiaria de Gemalto NV. ("Gemplus") que distribuye el Software de conformidad con lo expuesto en la presente Licencia. Para los efectos de la presente Licencia (en lo sucesivo "Gemplus"), "Licenciatario" significa la persona o entidad legal que desea utilizar el Software (definido a
Acepto los términos del contrato de licencia No acepto los términos del contrato de licencia
InstallShield

Accept the Terms in the License agreement and click on 'Next':

🔂 GemSaf	e Standard Edition 5.1.1 - InstallShield Wizard 🛛 🛛 🔀
Carpeta o Haga clio en una c	le destino : en Siguiente para instalar en esta carpeta o en Cambiar para instalar arpeta diferente.
	InstalarGemSafe Standard Edition 5.1.1 en: C:\Archivos de programa\Gemplus\GemSafe Libraries\ Cambiar
InstallShield –	< <u>A</u> trás <u>Siguiente</u> > Cancelar

Select the destination folder by default and click on next:

🔀 GemSafe Standard Edition 5.1.1 - InstallShield Wizard 🛛 👂	K
Preparado para instalar el programa El Asistente está preparado para comenzar la instalación.	
Haga clic en Instalar para comenzar la instalación. Si desea revisar la configuración de la instalación o realizar algún cambio, haga clic en Atrás. Haga clic en Cancelar para salir del Asistente.	
InstallShield]

We begin the installation of the product by clicking on 'Install':

🔂 GemSaf	e Standard Edition 5.1.1 - InstallShield Wizard 📃 🗖 🔀
Instaland Los comp	o GemSafe Standard Edition 5.1.1
i S	Por favor, espere mientras InstallShield Wizard instala GemSafe Standard Edition 5.1.1. Este proceso puede durar varios minutos. Estado:
InstallShield –	< <u>A</u> trás <u>Siguiente</u> > Cancelar

Finally a note stating the installation has been completed will appear:

🥵 GemSafe Standard Edit	ion 5.1.1 - InstallShield Wizard	×
	Finalizado GemSafe Standard Edition 5.1.1 - InstallShield Wizard	
	InstallShield Wizard ha instalado GemSafe Standard Edition 5.1.1 correctamente. Haga clic en Finalizar para salir del asistente.	
	< <u>A</u> trás Finalizar Cancelar	

In order for the changes to be implemented, the system will request a restart of the computer. We can restart now or press 'No', continue with the installation of the rest of the modules and restart at the end (recommended):



Once the GemSafe libraries are installed, we install the compatibility with cards GPK16000 modules. For this, execute file GemSafe_GPK_Support_setup.msi:

🔀 GemSafe GPK16000 Support for GemSafe 5.1 - InstallShield Wizard 💦 🔀		
	Welcome to the InstallShield Wizard for GemSafe GPK16000 Support for GemSafe 5.1	
	The InstallShield(R) Wizard will install GemSafe GPK16000 Support for GemSafe 5.1 on your computer. To continue, click Next.	
GEMPLUS	WARNING: This program is protected by copyright law and international treaties.	
	< Back Next > Cancel	

Click on 'Next':

₿ GemSafe GPK16000 Support for GemSafe 5.1 - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	
END USER LICENSE AGREEMENT	
IMPORTANT-READ CAREFULLY: This End-User License Agreement for Gemplus software ("EULA") is a legal and binding agreement between you and the subsidiary or affiliate of Gemplus International S.A. that distributed this version of the Software (as defined below) under this EULA ("Gemplus"). "You" are a person or legal entity wishing to use the Software. This EULA governs your use of all of the Software distributed or delivered hereunder. "Software" means all computer software, associated media, any printed materials and any accompanying "online" or electronic information provided to you hereunder. By downloading, installing, copying, breaking any seal on,	×
 I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield 	
< <u>B</u> ack <u>N</u> ext > Can	cel

Accept the Terms in the License agreement:

🔀 GemSafe GPK16000 Support for GemSafe 5.1 - InstallShield Wizard 💦 🔀
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield

Start the installation:

🔂 GemSafe	e GPK16000 Support for GemSafe 5.1 - InstallShield Wi 🔳 🔲 🔀
Installing The prog	GemSafe GPK16000 Support for GemSafe 5.1 ram features you selected are being installed.
1	Please wait while the InstallShield Wizard installs GemSafe GPK16000 Support for GemSafe 5.1. This may take several minutes. Status:
InstallShield —	< <u>B</u> ack <u>N</u> ext > Cancel

Upon completion, a note stating the installation has been completed will appear:

🥵 GemSafe GPK16000 Support for GemSafe 5.1 - InstallShield Wizard 💦 🔀			
E GEMPLUS	InstallShield Wizard Completed The InstallShield Wizard has successfully installed GemSafe GPK16000 Support for GemSafe 5.1. Click Finish to exit the wizard.		
	< <u>B</u> ack Einish Cancel		

Lastly, we enter a new key in the Windows registry. The installation of this registry key is recommended by GemAlto support and is found in file *RCNotIncluded.reg*.

When we execute this file, it informs us that we are about to insert a new key in the registry:



Click on 'Yes' and the new key will be added:

Editor del Registro		
(į)	Se ha conseguido introducir la información de C:\tmp\GemSAFE\RCNotIncluded.reg en el Registro.	
	Aceptar	

Once the three components are installed, restart the computer in order for the changes to be implemented.

3.2 INSTALLATION OF GEMALTO CLASSIC CLIENT 6.0

If we are using Windows 7 as the Operating System, the GemSAFE libraries version to be installed is called Gemalto Classic Client 6.0.

OMIE distributes said installer in their 32 and 64 bit versions, depending on the version of Windows 7 that we have installed. In each case the executable files are called:

- Classic_Client_32_User_setup.msi : For Windows 7 32bits.
- Classic_Client_64_User_setup.msi : For Windows 7 64bits.

As the first step, we download the appropriate file for our Operating System in a temporary directory and then we execute the file:

😋 🔍 🗢 📕 🕨 Equipo	D 🕨	OS (C:) 🕨 temp	• ¢9	Buscar temp	-
Organizar 👻 Inclui	r en l	biblioteca 🔻 Compartir con 👻 Grabar	Nueva carpeta		
🔆 Favoritos	*	Nombre	Fecha de modifica	Тіро	Tamaño
鷆 Descargas		🔂 Classic_Client_32_User_setup.msi	13/09/2010 14:31	Paquete de Windows Installer	20.586 KB
Escritorio Sitios recientes	l	覺 Classic_Client_64_User_setup.msi	13/09/2010 14:31	Paquete de Windows Installer	26.682 KB
 ⇒ Bibliotecas indigenes Jinágenes Júdica √ Música Vídeos 	II				
F P L					
Ned	Ŧ	•	III		•
2 elemento	s				

Note: The screen captures in this document are for the 64 bits version, the screens for the 32 bits version would be similar.

The installer will compile the required information and will display the first screen:



Click on 'next':

📅 Classic Client 6.0 Patch1 for 64 bits - InstallShield Wizard
Contrato de licencia Lea cuidadosamente el acuerdo de licencia siguiente.
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● Acepto los términos del contrato de licencia Imprimir ● No acepto los términos del contrato de licencia Imprimir InstallShield < <u>A</u> trás Siguiente >

Accept the Terms in the License agreement and click on 'Next':



Select the destination folder by default and click on next:

📅 Classic Client 6.0 Patch1 for 64 bits - InstallShield Wizard
Preparado para instalar el programa El Asistente está preparado para comenzar la instalación.
Haga dic en Instalar para comenzar la instalación.
Si desea revisar la configuración de la instalación o realizar algún cambio, haga clic en Atrás. Haga clic en Cancelar para salir del Asistente.
InstallShield
< <u>A</u> trás Instalar Cancelar

We begin the installation of the product by clicking on 'Install':

😸 Classic C	lient 6.0 Patch1 for 64 bits - InstallShield Wizard
Instaland Los comp	lo Classic Client 6.0 Patch1 for 64 bits ponentes del programa seleccionados se están instalando.
1 6	Por favor, espere mientras InstallShield Wizard instala Classic Client 6.0 Patch1 for 64 bits. Este proceso puede durar varios minutos.
	Estado:
	Copiando archivos nuevos
InstallShield -	
	< <u>A</u> trás <u>Siguiente</u> > <u>Cancelar</u>

Finally a note stating the installation has been completed will appear:



In order for the changes to be implemented, the system will request a restart of the computer:



3.3 INSTALLATION OF GEMALTO CLASSIC CLIENT 6.3.1

If we are using Windows 8 as the Operating System, the GemSAFE libraries version to be installed is called Gemalto Classic Client 6.3.1.

OMIE distributes said installer in their 32 and 64 bit versions, depending on the version of Windows 7 that we have installed. In each case the executable files are called:

- Classic_Client_32_User_setup_W8.msi : For Windows 7 32bits.
- Classic_Client_64_User_setup_W8.msi : For Windows 7 64bits.

As the first step, we download the appropriate file for our Operating System in a temporary directory and then we execute the file:



Note: The screen captures in this document are for the 64 bits version, the screens for the 32 bits version would be similar.

The installer will compile the required information and will display the first screen:



Click on 'next':

📸 Classic Client 6.3 Patch1 for 64 bits - InstallShield Wizard
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Acepto los términos del contrato de licencia Imprimir No acepto los términos del contrato de licencia InstallShield <ahref="https: www.acepto.com"="">Acepto los términos del contrato de licencia InstallShield Cancelar</ahref="https:>

Accept the Terms in the License agreement and click on 'Next':

🖞 Classic Client 6.3 Patch1 for 64 bits - InstallShield Wizard							
	Carpeta d Haga did en una d	gemalto [*]					
		InstalarClassic Client 6.3 Patch 1 for 64 bits en: C:\Program Files (x86)\Gemalto\Classic Client\	Cambiar				
	InstallShield -	< Atrás Siguiente >	Cancelar				

Select the destination folder by default and click on next:



We begin the installation of the product by clicking on 'Install':

😾 Classic Client 6.0 Patch1 for 64 bits - InstallShield Wizard 📃 📼 💌							
Instaland Los comp	Instalando Classic Client 6.0 Patch1 for 64 bits Los componentes del programa seleccionados se están instalando.						
P	Por favor, espere mientras InstallShield Wizard instala Classic Client 6.0 Patch1 for 64 bits. Este proceso puede durar varios minutos.						
	Estado:						
	Copiando archivos nuevos						
InstallShield –							
	< <u>A</u> trás <u>Siguiente</u> > <u>Cancelar</u>						

Finally a note stating the installation has been completed will appear:



In order for the changes to be implemented, the system will request a restart of the computer:



4 LIST OF INCOMPATIBILITIES

We have identified some incompatibilities between different Smart cards and GemSafe software:

- The new Smart cards ID Classic 340 do not work correctly with version 5.1.1 of the libraries provided by OMIE.
- GemXpresso cards do not work with the latest libraries of GemSafe: Gemalto Classic Client 6.3.1.

These incompatibilities are summarized in the following table, which lists only the software and cards version that are incompatible:

Software / Card	GemXpresso 32k	Classic TPC IS v2	ID Classic 340
5.1.1			Incompatible
6.0			
6.3.1	Incompatible		