S C A

Spirtech Calypso Applet

The solution for Calypso and Java Card

SCA (Spirtech Calypso Applet) allows Java card portable objects (USB key, card, mobile phone, and other form factors) to be compliant with the teleticketing standard Calypso.

SCA: EN ROUTE TO THE MEDIA CONVERGENCE

Increasingly, local authorities, public transport operators and industrialists are looking closely at multiservice and multi-applicative card solutions.

Users expect more and more services from their portable objects: smart cards, mobile phones and USB keys.

Java Card and *GlobalPlatform* technologies meet these needs by making possible the installation and the update of several applications on the same smart card, before or after its issuance. Therefore, there is no requirement to anticipate all the uses before the start of the project.

In addition, these technologies allow installing applications managed by different actors such as public transport operators, banks, local authorities, universities, etc.

Calypso is the international contactless ticketing standard created by and for transport public operators.

The SCA applet allows its users to travel through the interoperable and intermodal transport networks which have adopted this standard.

Spirtech has designed the Calypso applet based on Java Card to facilitate its implementation in multiservice portable objects such as NFC mobile phones.

PROFIT FROM THE ADVANTAGES OF JAVA AND GLOBALPLATFORM…

- *Interoperability*: the applet is running on any compliant platform.
- *Security*: Java Card and GlobalPlatform technologies and certified platforms.
- Multi-application management: installation and removal of multiple applets.
- *Scalability*: new applets can be installed and removed quickly and securely.

…AND FROM CALYPSO INNOVATIONS FOR YOUR MULTIAPPLICATIVE PLATFORMS !

- *Multisource*: a large number of suppliers of portable objects and terminals.
- *Security and Reliability* : Calypso Revision 3
- *Compliant with multiple standards*: ISO 14443, ISO 7816, EN 1545
- *Managed Calypso Networks Association*, a not for profit association of users, ensuring continuous adaptations with ascending compatibility.
- *Open to many services*: loyalty, access control, electronic purse, etc.

TECHNICAL FEATURES

- *Javacard* 2.1.x / 2.2.x compliant
- *GlobalPlatform* 2.2 compliant for Loading/Personalization
- *Calypso Revision 3* compliant (also available with limited compatibility with Calypso Rev 2)
- *Triple-DES* and *DESX* cryptography
- Calypso Token Purse and PIN code.
- *Calypso SAM and HSM* compliant

Spirtech

* cal pso is a registered trademark