Calypso® **PRIME PKI**

from Calypso Networks Association

Supporting inclusive MaaS with ticketing

The **only** solution offering interoperable ticketing for public transport networks and new mobility services (MaaS) – enabling access for all passengers and reducing costs for operators.

Calypso Prime PKI (Public Key Infrastructure) enables new capabilities in ticketing for sustainable Mobility-as-a-Service (MaaS) policies. It allows a ticketing smartcard to conduct transactions on networks based on "card-centric" and "server-centric" Account-Based Ticketing (ABT) infrastructures.

It is the only contactless ticketing smartcard to offer this level of interoperability for public transit networks, removing the need for Secure Access Modules (SAM) within terminals in ABT systems, supporting new alternative mobility offers and truly unlocking *MaaS for all.*

KEY BENEFITS

One card, multiple networks

- Works across both card centric and ABT ticketing infrastructures
- Avoids the need for a SAM in terminals
- Provides high security and fast, contactless transactions
- Ensures strict compliance with all standards

PRIME PKI FOR CARD CENTRIC TICKETING

Supporting traditional infrastructures with speed and security

In card centric mode, the Prime PKI card's AES (Advanced Encryption Standard) or TDES (Triple Data Encryption) symmetric cryptography is used.

1 First, the card is authenticated

2 Second, the data is securely written to the card via secure exchanges between the card and the SAM implemented in the terminal

PRIME PKI FOR ABT TICKETING

Supporting ticketing's role in sustainable MaaS deployments for all

In ABT mode for MaaS solutions, PKI cryptography can be used as the traveller's settings and details data are stored centrally and the card is used only for authentication.

This removes the need for a SAM, simplifying ticketing infrastructures for the rollout of new transit services, allowing networks to reduce costs by using standard hardware for the terminals.

To find out more about how to reach more customers with secure, smart, integrated contactless ticketing, please contact the CNA technical team via **contact@calypsonet.org.**

www.calypsonet.org