



## **APTA Fare Collection Workshop 2011 Miami, FL**

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# What is needed in 21st-century Fare Collection? What are the hindering factors?

## Transport Agencies need

- Interoperability
- Security
- Flexibility
- Reduced cost of implementation
- Simplified management



## Transport Agencies cannot get what they need when

- Using proprietary security schemes
- Lacking multiple sourcing for all components (chips, readers, etc.)

# The OSPT Alliance - at a glance

## Provide an Open Standard for Public Transportation

- Industry initiative launched in 2010 to provide a new security solution for public transport applications.
- The initiative is open for transport industry player - the global multi-provider community.
- The solution will build on open standards.
- Key benefits for public transport agencies:
  - advanced security and performance for public transport applications,
  - optimized interoperability,
  - availability of multiple sources for chip products and vendors that may competitively offer a variety of products
- The chosen standard is CIPURSE™.

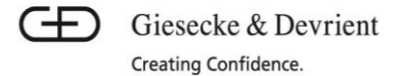


# The OSPT Alliance - News

## Provide an Open Standard for Public Transportation

- OSPT Alliance is successfully launched now:
  - Registered Association under German law
- New members:
  - Watchdata
  - Open Ticketing Institute
- The 1st president is Mr. Axel Lange (G&D)
- Program Director hired by the OSPT Alliance
- The chosen standard is CIPURSE™
- Specification is available for evaluation:

[www.osptalliance.org](http://www.osptalliance.org)

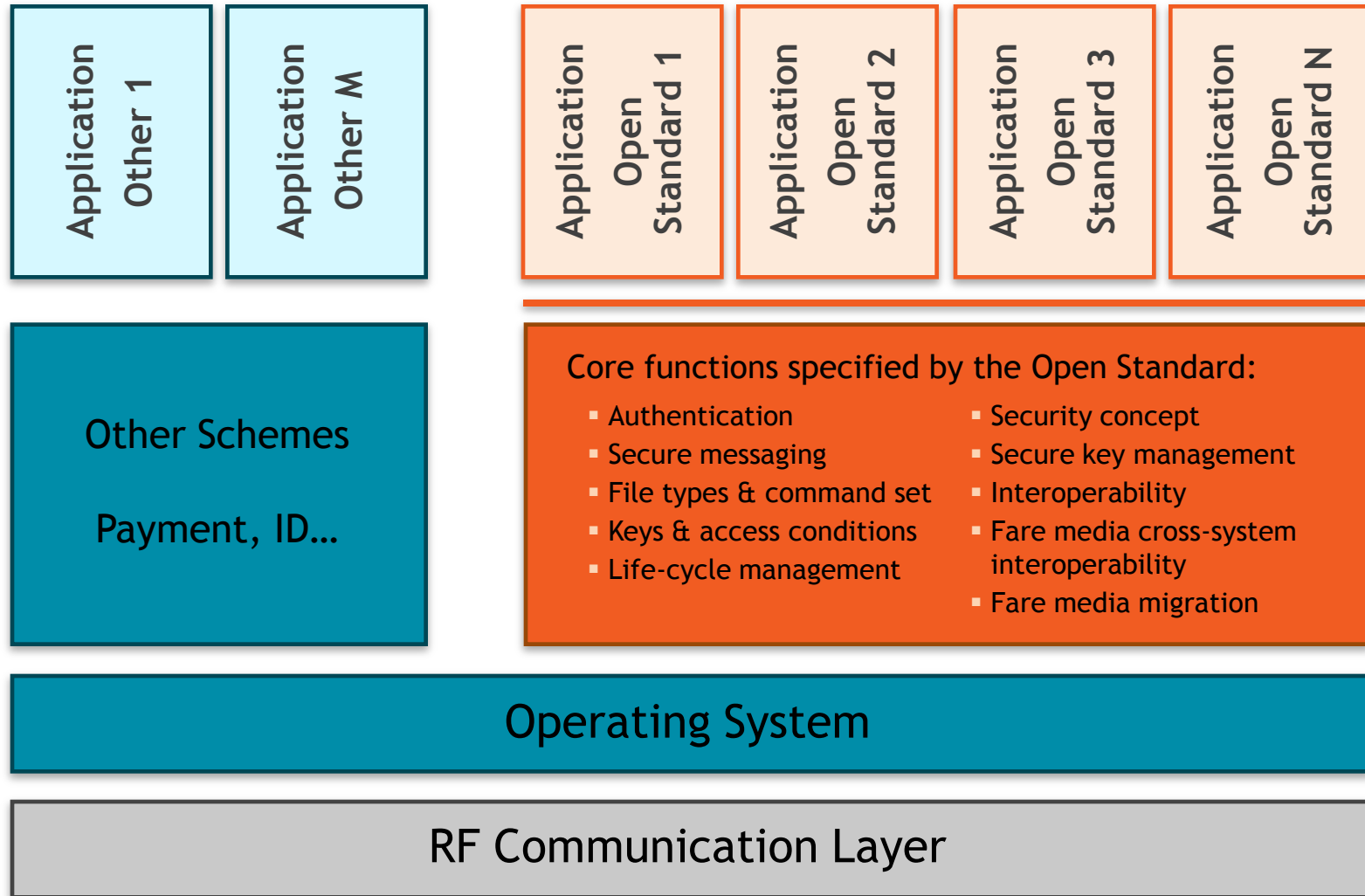


# Introduction CIPURSE™?

The Standard by the OSPT Alliance to provide a secure and flexible solution:

- presents a security platform to develop the overall system security
- defines a feature set, that allows to
  - be implemented in different devices: controller for transport and payment cards, **NFC** devices, SAM...
  - set up dedicated applications
- is based on ISO 7816
- defines:
  - Authentication scheme based on AES128
  - Secure messaging protocol
  - Minimum mandatory file types
  - Minimum mandatory command set
- includes personalization and life cycle management as well as system functionality to provide interoperability and fast adoption

# CIPURSE™ - Designed for Flexibility and Functionality



# The Right Decision for Transit Operators

## Cost-effective

- Lower operating costs
- Future-proof fare collection systems
- One-step Migration



## Flexible

- Price competitiveness and supply reliability due to vendor independence
- Supports development of multi-modal, multi-application systems
- Supports technologies as NFC
- Enables quicker response to new requirements

## Highly Secure

- Advanced security capabilities
- Security without compromising performance

## Interoperability

- Broad variety of products interoperable between different supplier across the supply chain



**Thank You for Your Attention!**



# For Additional Information

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