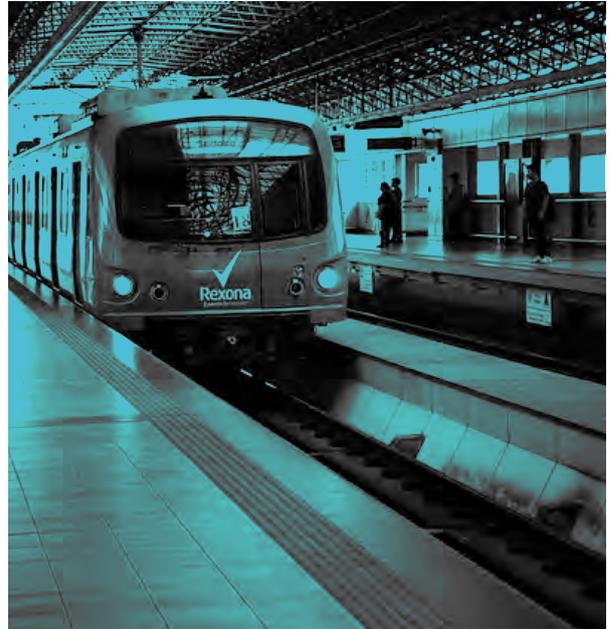


# TRANSPORT PAYMENTS ASIA PACIFIC



*18-19 September 2019*



*Dusit Thani Hotel, Manila*



## *Open Payments for Integrated Transportation Systems*

- Automated Fare Collection (AFC)
- Smart Integrated Ticketing
- Interoperable Transport Payments
- Frameworks, Policies & Regulation
- Open-Loop Transport Payments
- Achieving Interoperable Mobility
- Account-based Ticketing (ABT)
- Accepting Third-Party Fare Media
- Open-Loop EMV Ticketing
- Open Mobile Transport Payments
- Media-centric vs Server-based
- Cloud-based Ticketing Solutions
- Transport Ticketing-as-a-Service
- Transitioning to ABT Systems
- Managing Itinerant Customers
- Mobility-as-a-Service in Asia
- Road Tolling and Parking Systems
- Transport & Consumer Payments

**THE LEADING INDUSTRY EVENT FOR TRANSPORT TICKETING STAKEHOLDERS IN ASIA PACIFIC**

**T**ransport Payments Asia Pacific is the focal point for new developments and latest thinking in fare collection and revenue management for public and private transportation systems. Since 2006, this pioneering transport ticketing event in the world's fastest growing region has provided an industry platform for experts to discuss the roadmap for next-generation transport payments and how they support new mobility services for public transportation.



### **Meet Transport Payments Experts**

Meet transport authorities, operators and ticketing schemes that are using technology to optimise the retailing of transit and transport services, and transform the way that customers engage with their transport options. Transport Payments Asia Pacific and Transport Payments South Asia, held annually in the world's fastest-growing payments markets, offer unparalleled opportunities to connect with key decision-makers and understand their requirements for designing, planning and implementing transport services that will serve the majority of the global population.

### **From Media-centric to Server-centric**

The shift towards accepting open-loop payments in public transport applications is part of a growing interest in moving away from media-centric ticketing towards server-based revenue management that enables new business and technology benefits. This approach, now widely known as Account-based Ticketing (ABT), is the starting point for new developments in transport payments that include:

- tokenizing offline purses to back-end stored value;
- accepting third-party media for tickets and PAYG;
- accepting EMV contactless payment products;
- accepting mobile wallet payment products;
- mobile transport ticketing and reloading;
- ticketing as a service (TaaS),
- mobility-as-a-service (MaaS)



## Open-Loop Payments in Transport

The evolution towards acceptance of open-loop payments in transport applications that include public transport, private transport, on-demand transport and shared transport is now a major trend with benefits for both transport operators and their customers. Accepting open-loop payments can provide a level of interoperability between otherwise incompatible transport ticketing schemes. They also provide a convenient solution for itinerant travellers by solving the single journey ticket problem.

## Accepting Third-Party Fare Media in Asia

In developed markets, this is largely focused on the acceptance of bank-issued EMV contactless payment products. In Asia where many markets are not dominated by card payments, transport authorities will also need to consider accepting other open-loop consumer payments products, such as the rapidly growing number of mobile payment wallets using QR code-based mobile payments rather than NFC mobile payments.

## The World's Fastest-Growing Markets

Asia is the largest and fastest-growing market for public transport with significant plans and funding for transport infrastructure and initiatives for Smart Cities. The IMF expects Asia to remain at the forefront of the global economy, with regional growth projected<sup>1</sup> at 5.6 percent in 2019. According to a UN report<sup>2</sup>, of the world's 36 fastest-growing cities, 28 are in Asia, 7 are in Africa and 1 is in North America.

1-[www.imf.org/en/Publications/REO/APAC/Issues/2018/04/16/areo0509](http://www.imf.org/en/Publications/REO/APAC/Issues/2018/04/16/areo0509)

2-[www.un.org/en/events/citiesday/assets/pdf/the\\_worlds\\_cities\\_in\\_2018\\_data\\_booklet.pdf](http://www.un.org/en/events/citiesday/assets/pdf/the_worlds_cities_in_2018_data_booklet.pdf)

## Theme of the Forum

The Philippines is one of several Asian markets whose governments are driving national interoperability of open transport payments to support increased adoption of efficient public transport services. Open and integrated payments across all transport modes provide benefits to transit operators and their customers, simplify and enhance customer journeys, and are an important factor in driving public transport mode share. The theme of the 2019 conference will be:

## Open Payments for Integrated Transportation Systems



# Business and Technology Issues

## Transport Payments Developments in Asia

Updates on new transport payments developments in Asia, interoperable transport ticketing initiatives to support sustainable urban development in Asia, integrating transport payments with national payments objectives, industry innovations in automated fare collection systems and revenue management.

## Evolution of Transport Ticketing

What are the trends changing the way we pay for transport services? What are the business reasons driving transport operators to store customer travel contracts and data in back-end servers instead of in fare media carried by the customer? Why is mobility the new buzzword and what does it mean?

## Open-Loop Transport Payments

Transport operators accepting EMV bank cards to pay for transit fares began a shift towards open-loop payments in transport, that now includes accepting third-party issued payment products, and the migration from media-centric to server-centric fare collection and revenue management systems.

## Outlook for Account-based Ticketing

Full account-based ticketing (ABT), including tokenizing stored value transport cards and supporting all open-loop payment products (not only EMV payment cards), is still a work in progress. What are some of the lessons learned from recent account-based ticketing (ABT) implementations around the world? Why is ABT the gateway to mobility services?

## Accepting Third-Party Payments

Server-centric ABT decouples customer ID, fare calculation and transport payments. It enables acceptance of customer tokens not issued by, and travel funding sources not managed by, transport operators (not limited to EMV payment cards). How do operators manage this change to fare collection systems?

## Standards, Policy & Strategy

The development of transport infrastructure and networks in Asian markets is driving the need for harmonised and integrated transport payments systems. What policies and strategies would best facilitate the development, implementation and promotion of standards and frameworks for integrated payment systems that support multimodal journeys across public transport systems, for the benefit of operators and their customers?

## Mobile Transit Ticketing

The global Pays wallets are integrating some of the larger closed-loop transit ticketing schemes. Is this a trend and how many can they feasibly support? Meanwhile the Pays wallets continue to support open-loop mobile NFC transit ticketing in any scheme that accepts EMV contactless payments for transit. Asia is also seeing the growth of mobile QR code payments in transit. But most customers prefer to use cards over mobile phones to pay for public transport - what needs to change?

## Cloud-based Mobility Payments

Customers are more likely to manage their travel information and options, journeys and transport payments on mobile devices, and they expect transport information to be ubiquitous, accurate and personalised to their own needs. Mobile and the cloud are enabling transport services to be bundled into combined mobility services that are presented through mobile applications. How will this change the way that customers pay for transport services?

## Mobility-as-a-Service (MaaS)

Server-based transport payments will also enable the vision of MaaS; over-the-top services that integrate all public and private mobility choices into a personalised model that aims to get the customer from A to B as easily as possible - typically for a monthly account-based fee. How would this be implemented in practice?



# Programme

## Day 1 - September 18

### INTRO - Keynotes

Department of Transportation (DOTr)  
APSCA

### SESSION 1: National Standards

Public transport networks with open and integrated payments  
Expo, Refreshments, Networking

### SESSION 2: Transport payments in 2019

From paying fares to purchasing mobility services  
How transport ticketing is evolving  
*Discussion: New jargon, industry hype and what's really on the roadmap*  
Lunch

### SESSION 3: Account-based Ticketing in Practice

Moving transport payments and data from fare media to back-end customer accounts  
*Discussion: Best practices and lessons learned for transitioning to ABT systems*

### SESSION 4: Open Payments in Transport

Making it easier for customers to engage with public transport and pay for mobility services  
Expo, Refreshments, Networking

### SESSION 5: Transport Payments Standards, Policy & Strategy

Frameworks in developing and managing open transport payments  
*Roundtable discussion with transport and payments stakeholders*

## Day 2 - September 19

### SESSION 6: Mobile Transit Ticketing

Getting in and out of public transport systems  
*Discussion: Mobile is not eating transit ticketing*  
Expo, Refreshments, Networking

### SESSION 7: Cloud-based Transport Payments

How mobile and the cloud are integrating transport payments into mobility services  
*Discussion: A PSD2-like revolution in transport services and payments*  
Lunch

### SESSION 8: The Transition to Mobility

Migrating to a customer-centric approach for transport products and services  
*Discussion: Who will deliver Mobility-as-a-Service (MaaS) in Asian markets?*  
Expo, Refreshments, Networking

### SUMMING UP: The Future of Transport Payments

Review of discussions and next steps  
Innovations that could disrupt transport payments

## Track Record

Since 2006, APSCA's transport ticketing forums have become the largest meetings of senior executives from transport revenue collection schemes and transport operators managing smart integrated ticketing and automated fare collection schemes in Asia. Each forum attracted senior decision-makers from transport fare collection schemes and transport ticketing end-user organisations from over 10 Asian countries and territories. These senior executives attend the conference to meet their peers, learn about updates to other Asian transport payments schemes and hear case studies and best practices. Transport Payments Asia Pacific is an opportunity to discuss business, technology and operational issues with other senior managers from transport operators and ticketing schemes. The previous 11 forums were held in Singapore, Taipei, Bangkok, Seoul, Kuala Lumpur, Hong Kong, Tokyo, Sydney, India, Singapore and Vietnam, with local government transport authorities, transport ticketing companies and transport operators either hosting or supporting the event or organising site visits.

Year	Host, Supporters and/or Site Visit Organisers	Location
2006	Land Transport Authority of Singapore	Singapore
2007	Institution of Transportation of the Ministry of Transportation & Communication	Taipei
2008	Office of Transport Traffic Policy and Planning (OPT) of the Ministry of Transport	Bangkok
2010	Seoul Metropolitan Government and Korea Smart Card Co. Ltd (KSCC)	Seoul
2011	Touch 'n Go	Kuala Lumpur
2012	Octopus Holdings Limited (OHL)	Hong Kong
2013	East Japan Railway Company (JREast)	Japan
2014	Transport for New South Wales	Sydney
2015	Delhi Metro Rail Corporation (DMRC) & Delhi Integrated MultiModal Transit System (DIMTS)	New Delhi
2017	2017 Land Transport Authority of Singapore	Singapore
2018	National Payment Corporation of Vietnam (NAPAS)	Hanoi

## What people said about Transport Payments Asia Pacific 2018

The APSCA conference is one of the best I have attended recently; it combined a mix of strategy and technical presentations which gave me not only a great understanding of the overall direction of transit related payments, but also provided some great technical presentation which broadened my knowledge of the key applications and solutions.

David Maitland  
Business Unit Director and  
General Manager  
Go Ahead Retail Services

Thanks again for putting this very good conference together. It was very much worth our time and effort from both perspectives as an exhibitor as well as audience.

Patrick Henzen  
General Manager – Asia  
FAMOCO

The APSCA conference was a great opportunity to keep abreast of transport payment innovations across the globe as well as hearing from industry on the development of payments technology. The conference is a rare chance to bring the transport payments conversation together in one place.

Lewis Clark  
Executive Director, Customer  
Services Division  
Transport for NSW



EXIT

EVOLUTION OF MIFARE DESFire

**For more details about the event, please contact:**

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