

Smart Ticketing

Providing a seamless experience for the entire transport system

NEC provides account based Mobile Ticketing Systems to Public Transport Authorities (PTA's) and Public Transport Operators (PTO's) worldwide. This extends from electronic fare collection through to electronic charging and expenditure at merchants and retailers plus clearing house facilities. Such facilities can support single, integrated fare systems based on a unified card or token or they can be leveraged by multiple diverse operators.

NEC's systems can also accommodate contemporary payment and charging mechanisms

such as Apple Pay or other mobile apps, embracing the convenience of mobile technologies as well as Integrated Circuit (IC) chip equipped contactless smartcards. This removes the need for cards and complicated top-ups.

The technology is accurate, reliable and is highly effective for fraud prevention. Our system provides Authorities and Operators with the ability to see transactions in real-time as they occur across the network and empowers customers to be in control knowing that they will always be charged the right fare when they travel.



Our Smart Ticketing solution prioritises 6 key aspects for enhancing your transport network's overall performance:

- ♂ Ease of Use
- ♂ Rapid Uptake
- ♂ Future Proof
- ♂ Aggregation of Services
- ♂ Clearing House Functionality
- ♂ AI Fraud Reduction Engine



Ease of Use

‘A single touchpoint’. Adopt a single or multiple electronic platform (smartcards, mobile devices and apps, biometrics) to enable seamless interaction across the public transport network.



Rapid Uptake

The ability for customers to move seamlessly between transport modes through one payment gateway is key to uptake and confidence in the network.



Future Proof

Our Smart Ticketing solution provides the flexibility to adapt to future payment options, enabling authorities to leverage existing investments.



Aggregation of Services

NEC systems are versatile and provide for the collection and aggregation of services across multiple providers, transaction types, media types, vehicle types, location, routes etc.



Clearing House Functionality

Clearing and settlement of payments to appropriate agencies and operators. Includes individual operator/agency role-based visibility and reporting.



AI Fraud Reduction Engine

NEC’s Artificial Intelligence (AI) technology provides both load forecasts and anomaly detection alarms to detect fare evasion.

Smart Ticketing for Transport Customers

Journey Planning and Travel Management

We provide an easy-to-use Journey Planner that includes all the information you need right at your fingertips including, quickest way to travel to where you would like to go, next service as well as costs and easy to use payment options to get you there faster.

Mobile Ticketing

Throughout the transport system, you can choose your ticket – either use your mobile phone or an existing card. Seamlessly top up your account by connecting your bank account to the Journey Planner app, or if you prefer to be in control you can top up as you go in real-time.

Right Fare Every Time

You will always pay the right fare for your travel, so you do not have to worry about complex fare structures or travel timings. We'll provide you with the flexibility to purchase an annual ticket and pay in smaller instalments, making it easier for your budget and guaranteeing you pay the lowest fare.

'Find Me' Tool

To provide you peace of mind, our Find Me tool can help you track the important people in your life as they become more independent.

Smart Ticketing for Public Transport Authorities and Operators

Open Loop Payment System

We provide authorities the flexibility to use an Open Loop Payment System meaning that you don't need to issue customers a specific card to travel on the network. The experience can be tailored to suit their needs by using their mobile phone or an existing card.

Real-Time Analytics

Real-time information is critical to managing, improving and delivering a better transport offering. Our real-time analytics provides you with access to real-time farebox data, the number of customers across the network as well as information about the types of fares used, helping you understand and improve transport services.


Flexible Fares

Adjust fares seamlessly without complicated hardware changes. You can also provide free travel to customers who may have been affected by a disruption on the network, or easily plan free or discounted travel days for events. We can also set up systems whereby you can reward customers for their loyalty, encouraging more people to travel more often.

Hardware and Software

We can provide the hardware and software required to enable customer service or authorised officers to inspect tickets via mobile devices.

For more information on our Smart Transport Services, visit:

nec.com.au/sts 

Japan (Corporate HQ)
NEC Corporation
www.nec.com

Australia
NEC Australia Pty Ltd
www.nec.com.au

North America (USA)
NEC Corporation of America
www.necam.com

Asia Pacific (AP)
NEC Asia Pacific
www.sg.nec.com

Europe (EMEA)
NEC Enterprise Solutions
www.nec-enterprise.com

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