MSI Solution
Key Differentiators

- Operations
Ease
- Efficient Risk
Mgmt. System
- Powerful Data
Analytics
Tool
- Speed
- Security at its
Pinnacle
- Highly
Compatible
- Scalable
- Holistic
- Flexibility &
User Friendly

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- Operations ease – **Elimination of top-up infrastructure**
- Efficient Risk Management System: Risk Parameters are authorized online, **including mitigate the risk of bad debt**
- Powerful Data Analytics tool – To recover missing transaction, **to reduce revenue leakage**
- Speed – **A fast and accurate System**
- Holistic – **Completely parameterized for all System** participants
- Security at its pinnacle – Our System is ready to connect to Acquiring Bank and **compliant to Banking Standard**
- Scalable – Able to handle future increase in transaction Capacity **(up to 10 times)** with minimum hardware changes
- Highly Compatible – **Different Protocols** can be connected to our System
- Flexibility – Hassle free approach **to add new payment media** to the System
- User friendly which **does not require special skill**

Targeted Segments

| Train & Monorail | City Bus & Bus Rapid Transit | Private Car Hiring | Ferry | Electronic Toll Collection | Retail & Online Payment | Car Park Fare Collection | Bike Sharing |

Testimonials

Mr. Reginald R. Reyes
CTO,
AF Payment Inc.
Philippines

Dr. Chaisak Srisethanil
Project Engineering Director
Bangkok Mass Transit System
Public Company Limited,
Thailand

Anne Graham
CEO,
National Transport Authority
Dublin

Mr. Paul Murphy
Global Business Services
Group Leader, IBM
Dublin

MSI Global Private Limited is committed to provide customers with quality support for the automatic fare collection system with Cutting Edge Technology to enhance the life of the end user. For more information, please contact **Mr. Loo Chung Kern <chungkern_LOO@msi-global.com.sg>** OR dial-in with your enquiries to **(65) 6875-3792**

msi GLOBAL
MSI Global Private Limited Strives for Excellence
71, Chai Chee Street, Block 3 Level 1, Singapore 468981

CERTIFICATION
INTERNATIONAL
ISO 9001:2008
Cert No: CIS/0003/HQ

ACCREDITED
CERTIFICATION
BODY
SAC
Cert No: 05-1999-05
Member of the IAF MLA for QMS

1 StopSolutions
For Transit and Non Transit Payment Solution
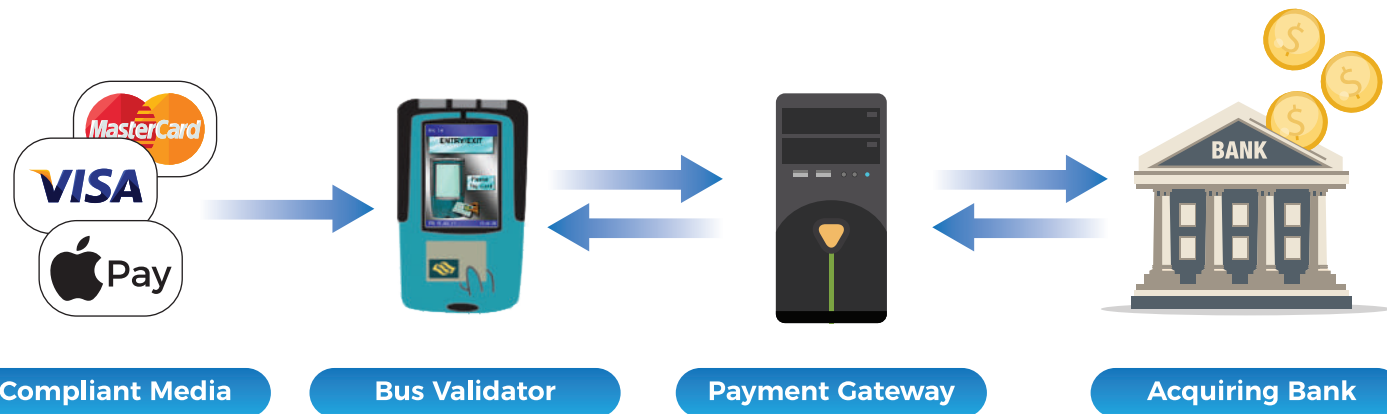
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Account Based
TICKETING

Provide Customers With Quality Support For The Automatic Fare Collection System With Cutting Edge Technology To Enhance The Life Of The End User.

What is
Account Based Ticketing?

Account Based Ticketing (ABT) allows commuters to enjoy a seamless fare payment experience by touching their **contactless Credit/Debit cards and NFC Phone** on the Metro or Bus fare readers, **without the need for top-ups**. Commuters **will be charged** for their public transport rides in their credit/debit card bill, similar to other credit/debit transactions made at retail merchants.

High Level of ABT System
Transit Ticketing

Transportation Backoffice System

Ticket Information

Transaction Result

Bus Validator   Metro Gate

Terminal 1   Terminal 2   Terminal n

Transit Mobile Ticketing Server

Card information and ticket information

Transaction Result

Transit Mobile Ticketing Application

Customer wants to buy a ticket and opens mobile application on the phone

Payment Transaction

Transaction Result

Acquiring Bank

Payment Networks

Issuer Bank

About ABT System

MasterCard
VISA
Pay

BANK

Compliant Media   **Bus Validator**   **Payment Gateway**   **Acquiring Bank**

- Several different operational models available to adopt open payment systems. Most prevalent model is one where fares are stored, and calculated in a back office system. This fare calculation is executed after the trip has taken place. It enables fare capping and other incentive schemes to be applied, creating **more flexibility in the transit payments scheme**

- It accepts:
  i. **Open Loop Payment** including Credit/Debit cards, NFC-enabled mobile phones and ensures interoperability
  II. The use of account based fare media like QR codes, etc. It is very convenience for using a Post-paid card, for example Credit Card, as commuters can **use now and pay later**

- It allows fare payment using agency-issued contactless smartcards, and potentially, **third-party-issued contactless media**

- It performs **journey matching, fare computation and deduction** against an account at backend system for trips made using the open loop and account based ticket

- System integrator (SI) will design and implement a back office account-based transaction processor that manages transit accounts, calculates fare payments based on **customised business rules, and processes all transactions** (e.g., sales and usage) as required

The Benefit of ABT

VISA
MasterCard   AMERICAN EXPRESS
BANK
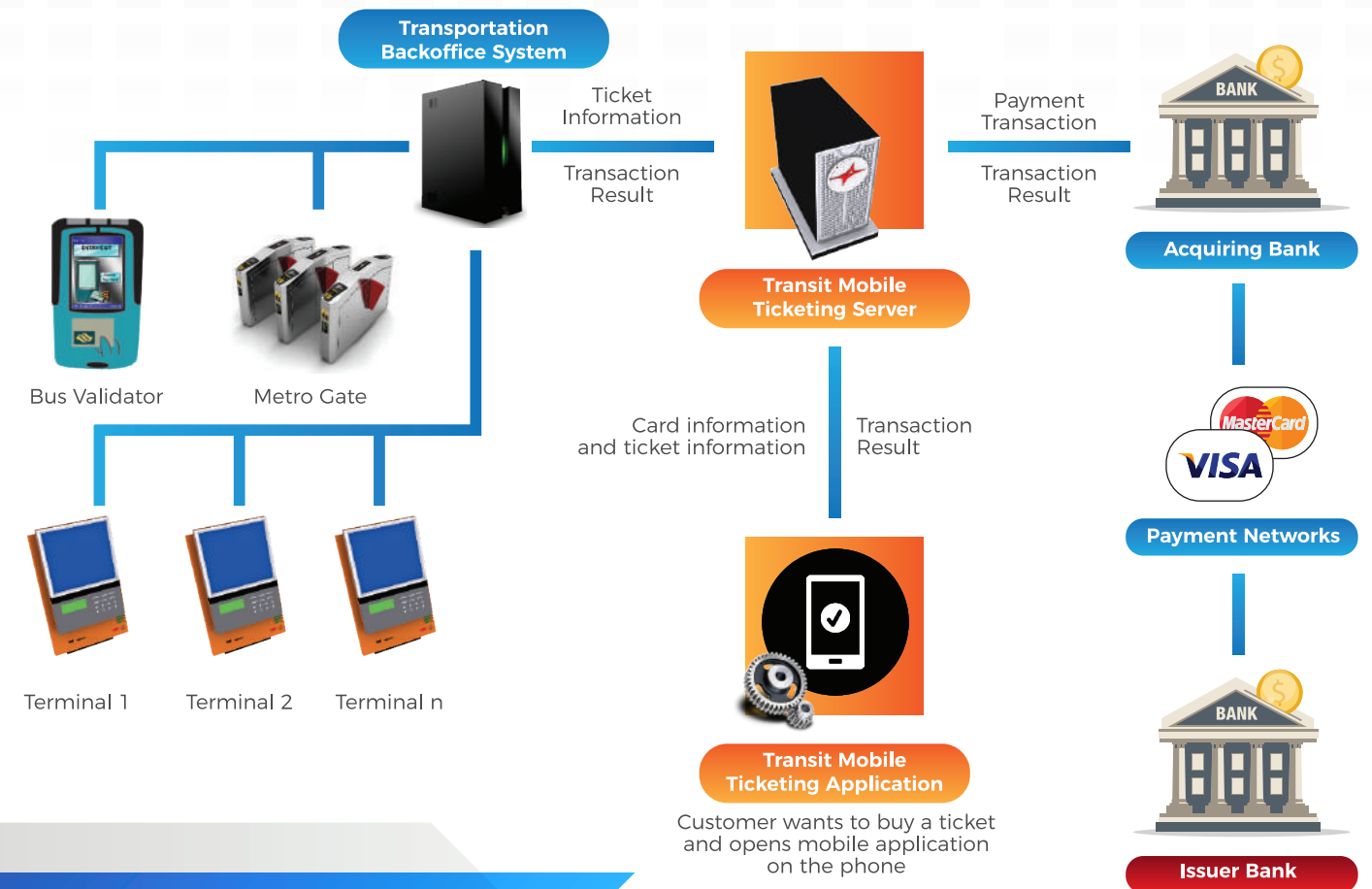
Commuters

✔ More payment options – no need for a specific travel card

✔ No queuing for top-ups

✔ Easier to check travel history and expenditure

✔ Better self service – online travel claims and refund directly to bank account

Public Transport Industry

✔ Flexibility and faster turnaround time for implementation of new fare policies

✔ Leaner and simplified infrastructure

✔ Easier system to manage and maintain

✔ Operational cost savings

Payment Card Industry

✔ Transactions revenue can be increased

✔ Wider cardholder base

✔ Raise awareness of contactless feature on payment cards

✔ Prepare cardholders for mobile payments