

Tender No. Q068026
Provision of Credit Card Payment Solution in Operation Railway

1. INTRODUCTION

In order to explore the acceptance of credit card payment in MTR railway, the Corporation invites qualified companies to express their interest in tendering for the provision of a comprehensive e-Payment solution, allowing credit cards to be used directly in MTR Automatic Fare Collection (“AFC”) system.

2. SCOPE OF WORKS

2.1 The Corporation invites the e-Payment solution provider to provide:

- i. Acquiring service for contactless credit card (physical card form or embedded in mobile devices) transactions at MTR entry/exit gates under a “Pay As You Go” service model. The Corporation or the third party will calculate fare transaction. Based on the transaction information provided by the Corporation or the third party, the e-Payment solution provider is required to route the transactions to appropriate card network for further processing and handle the settlement with the Corporation or the third party;
- ii. Acquiring service for contact and/or contactless credit card (physical card form or embedded in mobile devices) transactions at ticket issuing machines (TM), portable checking devices (PCD) and Ticket counters/Customer service centres (CuC) under a “retail” model. The e-payment solution provider is required to capture the transaction information at TM, PCD and CuC and route it through the transactions to appropriate card network for further processing and handle the settlement with the Corporation;
- iii. Credit card readers supporting major card brands at TM, PCD and CuC;
- iv. Payment gateways / routers at the Corporation’s Demilitarized Zone (DMZ) to route the payment transactions from TM, PCD and CuC at the Corporation’s internal shared network to the acquirer systems;
- v. Payment interface shall be provided for PCD and accessible via the internet;
- vi. Maintenance services on all provided hardware and software; and
- vii. Certification of card readers provided by the Corporation or the third party for “Pay As You Go” services covering major card brands.

2.2 Passenger Interface

The Corporation is studying to accept credit cards at:

In MTR lines except Light Rail, Airport Express and High Speed Rail	In all railway lines
<ul style="list-style-type: none">• ~ 1,000 MTR entry/exit gates (as an initial phase and further roll-out is subject to review) and other equipment• ~ 540 ticket issuing machines• ~ 500 portable checking devices	<ul style="list-style-type: none">• Ticket counters/Customer service centre

3. ESTIMATED ROLL-OUT PROGRAM

The tentative rollout date for the aforementioned services is 2022/2023, in line with the Corporation's asset replacement project.

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