

**Legislative Council Panel on Transport
Subcommittee on Matters Relating to Railways**

**Retrofitting of Automatic Platform Gates at
8 MTR at-grade and aboveground stations**

Introduction

At the meeting of the Subcommittee on 27 March 2008, some Members requested MTR Corporation Limited (MTRCL) to provide details of the programme for retrofitting Automatic Platform Gates (APGs) at the 8 at-grade and aboveground stations of the pre-merger MTR system. This paper sets out the requested information for Members' reference.

Background

2. As stated by MTRCL in paper CB(1)545/07-08(01) submitted in January 2008, the Corporation has completed the feasibility study for retrofitting APGs at the 8 at-grade or aboveground stations of the pre-merger MTR system. The Corporation has decided in principle to proceed with the retrofitting of APGs at these stations, namely Chai Wan, Heng Fa Chuen, Tsuen Wan, Kwai Hing, Kwai Fong, Kowloon Bay, Ngau Tau Kok and Kwun Tong Stations. The retrofitting works are expected to be completed by end 2012 at a cost of about \$300 million.

Retrofit Programme

3. The tentative programme for retrofitting APGs at the 8 stations mentioned above is as follows –

Programme	Date
i. Tender Pre-qualification	2 nd – 3 rd quarter 2008
ii. Tendering	3 rd – 4 th quarter 2008
iii. Tender assessment	4 th quarter 2008

iv. Contract award	January 2009
v. Preliminary design – Contractor to propose overall programme of work, resource planning, construction proposal, and interfacing with signalling/ civil works for approval by the Corporation	1 st – early 2 nd quarter 2009
vi. Detailed design – Contractor to propose detailed installation plan and interfacing design for each station and detailed programme of works for approval by the Corporation	Mid 2 nd – 4 th quarter 2009
vii. Prototype demonstration – Contractor to produce prototype according to detailed design specification and demonstrate its compliance with required safety and reliability standards in factory environment	4 th quarter 2009 – 2 nd quarter 2010
viii. Manufacturing – Contractor to order materials, carry out production, assembly and testing, and demonstrate compliance with specifications to the Corporation. Modify the product as required	1 st quarter 2010 – 4 th quarter 2011
ix. Trial installation at Heng Fa Chuen Station	3 rd – 4 th quarter 2010
x. Review trial installation including work sequence, noise mitigation measures, signalling interface etc and seek improvements as required	1 st quarter 2011
xi. Full-scale installation works, testing and commissioning	2 nd quarter 2011 onwards

<p>xii. Project completion – Installation of APGs at individual stations will be completed progressively between 2nd to 4th quarter of 2012</p>	<p>4th quarter 2012</p>
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4. Retrofitting of APGs at platforms of an operating railway line involves highly complicated works including major modifications to the platform structure, ventilation system and earthing protection system. Moreover, the installation works for APGs have to be carried out during the very tight non-operating hours between 2:00 a.m. and 5:00 a.m. so that passenger service would not be disrupted. In addition, as the works involve modifications to the platform structure at at-grade or aboveground stations which are non-enclosed, the Corporation will also have to implement temporary mitigation measures such as erecting portable noise barriers during the works to mitigate the noise nuisance caused to nearby residents. This would inevitably further reduce the time available for the installation works every night.

5. The Corporation is committed to closely monitoring and managing the APGs retrofitting programme with a view to expediting the programme as far as practicable.

MTR Corporation Limited
April 2008