



Progress Update on Upgrading Signalling System for Railway Lines

Subcommittee on Matters Relating to Railways
June 2020

Signalling Upgrade Programme



Awarded contract in 2015 to upgrade the signalling system of **7** MTR lines

➔ Increased **reliability** and **overall capacity**



Tsuen Wan Line

Kwun Tong Line

Island Line

Tseung Kwan O Line

Disneyland Resort Line

Tung Chung Line

Airport Express

Incident of the New Signalling System Testing on Tsuen Wan Line on 18 March 2019

Follow Up on the Tsuen Wan Line New Signalling System Testing Incident

Two Principles:

Recommendations
set out in the
Investigation Panel
Report

Agreed terms and
conditions with
the Contractor

Contractor's Improvement Measures

1

Revamping the software development process and work instructions



2

Replacing the software design and development team



3

Enhancing the monitoring and control



Expected Timeline for Tsuen Wan Line Works

Now - 2021

(About 1.5 year)

1. Revamp and develop the software development process and work instructions
2. Verify and rectify the software under the new process
3. Test software, obtain certification, and obtain consent from Government

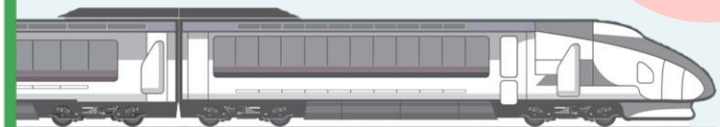
2021 - 2023

(About 1.5 year)








4. On-site train tests with one train and multiple trains
5. Full line and whole system testing
6. Reliability tests, commissioning and drills



**3 years
in total**



Signalling Upgrade Progress on Each Line

	Design	Equipment installation	On-site train tests
Tsuen Wan Line			Testing and rectifying software
Island Line			
Kwun Tong Line			
Tseung Kwan O Line		Preparing for installation	
Tung Chung Line	Planning		
Disneyland Resort Line	Planning		
Airport Express	Planning		

COMPLETE

the signalling upgrade

Provide a **MORE RELIABLE**
train service



Thank you