ANNEX

Escalator Refurbishment Process

Each escalator will take approximately four to five months to refurbish. As the works are carried out within an operational station, careful planning and coordination are required to manage constraints such as limited working space, ongoing station operations, and works carried out in close proximity to commuters and residential areas.

The refurbishment comprises four main stages:

1. Dismantling – approximately 3 weeks
Existing escalator components that are due for renewal will be dismantled and removed. These include key mechanical and electrical components such as the steps, handrails, traction machines, drive system, cables, control equipment, and associated safety components.

2. Inspection – approximately 1 week
Following dismantling, the steel frame and retained components of the escalator will be inspected to assess their condition and repaired for the subsequent installation of new and upgraded components.

3. Installation – approximately 2.5 months
New and upgraded mechanical and electrical components will be installed. These include steps, handrails, traction machines, drive system, cables, control equipment, and associated safety components. The refurbished escalator will also be updated to prevailing standards to enhance its reliability, safety, and maintainability.

4. Testing and Commissioning – approximately 1.5 months
Before the escalator is returned to service, a series of inspections and tests will be conducted to ensure that the refurbished escalator is safe and operating as intended. These will include checks of its safety switches and load testing, before the escalator is commissioned for passenger use.