**EN50155 Type Approval Test on Electronic Equipment for Railway Applications**

Electronic equipment for railway applications must adapt to different operational environmental requirements such as temperature, humidity, shock, vibration, and electrical characteristic differences. Such electronic devices must comply with the EN50155 standard set of rigorous tests to ensure that the entire system can function properly in the harsh environment of the railway.

The Reliability Testing Centre of the Hong Kong Productivity Council is equipped with the capability to meet requirements of the EN50155 Type Approval Test, and can provide related test services for the industry.

Reliability Testing Centre has complete testing capability for EN50155 Type Approval Test for a typical railway component.

**Reliability Testing Centre is capable of performing the following test items:**

* Visual Inspection
* Performance Test
* Power Supply Test
* Insulation Test
* Low Temperature Storage Test
* Low Temperature Start-up Test
* Dry Heat Test
* Cyclic Damp Heat Test
* Salt Mist Test
* Enclosure Protection Test (IP code)
* Electromagnetic Compatibility (EMC) Test
* Vibration and Shock Test
* Equipment Stress Screening
* Rapid temperature Variation Test

**Test items which are performed under Type Test:**

* Visual Inspection
* Performance Test
* Power Supply Test
* Insulation Test
* Low Temperature Start-up Test
* Dry Heat Test
* Cyclic Damp Heat Test
* Electromagnetic Compatibility (EMC) Test
* Vibration and Shock Test

Enquiry Information:

Automotive and Electronics Division

Email: [reliability@hkpc.org](mailto:reliability@hkpc.org)

Tel: 2788 5793 / 2788 5783