



INDEPENDENT LIFT INSPECTION AND SAFETY TEST

SGS is the largest independent third-party company providing inspection services for lifts and escalators in Hong Kong. We ensure your lifts and escalators complied with safety and regulatory requirements. Our inspection team consists of Registered Lift and Escalator Engineers who are well trained by SGS to carry out independent audits. We have the largest database on equipment and maintenance quality of lift and escalator companies in Hong Kong.

We provide professional and efficient testing, inspection and certification services for industries such as infrastructure and building, power and utilities, oil and gas as well as materials and manufacturing. We offer a broad range of services for the lift and escalator industry to help manufacturers and component suppliers to ensure the high quality of their products.



LOCAL CODE COMPLIANCE AND EXISTING PRACTICES

All lift or escalator work, under normal practice, must be carried out by Registered Lift or Escalator Engineer (RE) or Registered Lift or Escalator Worker (RW). Registered Engineer (RE) needs to perform examination and safety test to escalator and lift equipment on a half-yearly and annual basis respectively. Lift maintenance contract covers this scope of work.

Since RE is employed by Registered Contractor (RC), the RE is likely to perform the work that lacks independence due to the employer-employee relationship of RC and RE. In this situation, third party inspection can provide an independent and objective view on the quality of lift or escalator operation and maintenance. In USA, Europe, Australia, Singapore, Macau and other regions or countries, independent lift consultant to perform quality audit is being practiced.

INDEPENDENT QUALITY INSPECTION (FUTURE PRACTICE)

Property owners and management companies should be encouraged to get an independent view on quality of lift equipment. Annual examination and safety test should be partly and gradually taken up or supported by the third parties.

WORK PROCEDURES

We provide standard check list, work and test procedures and reports, trained and qualified auditors as well as quality standard for reference.



TOOLS AND EQUIPMENT (QUANTITATIVE DATA)

- Tachometer
- Light and Sound Level Meter
- Traffic Analyzer
- Thermo-imaging Device
- PMT (Riding Quality)

WHEN DO YOU NEED OUR SERVICE – INDEPENDENT LIFT OR ESCALATOR INSPECTION?

- Poor performance of existing RC
- Change of lift service provider
- Renewal of existing maintenance contract
- Lift services provided by Non-Original Equipment Manufacturer (Non-OEM)
- After lift incident and breakdown
- After lift modernization and upgrade

TARGETED SOLUTIONS – QUALITY RATING ON MAINTENANCE AND ADJUSTMENT

OPTION A: EQUIPMENT SAFETY AND QUALITY AUDIT

Provide lift equipment quality audit and recommendations for improvement or upgrades to owners or management companies

- Perform measurement or functional tests on critical safety items
- Perform visual inspection
- Carry out equipment survey on maintenance and adjustment quality
- Apply quality rating on individual components (e.g. Machine, Doors, Pit equipment and so on)
- Review all items of demerit points of the Electrical and Mechanical Services Department's (EMSD's) Performance Assessment Scheme (PAS) – Assessment of the performance of RC or RE
- Provide inspection report with recommendations on improvements or upgrades

OPTION B: WITNESS SAFETY TEST ON SITE

Witness safety test being carried out by the RE of the Service Provider (RC) and provide an independent report

- Witness all tests being carried out by the RE of RC on site
- Provide observations and recommendations independently
- Include equipment survey
- Apply quality rating on individual components
- Review all items of demerit points of the EMSD's PAS – Assessment of the performance of RC or RE
- Provide the report to owner



OPTION C: PERFORM SAFETY TEST ON SITE AND SPECIFIC CONSULTANCY SERVICES

Perform the duty of RE to carry out examination and safety test required by law, equipment quality report and other optional services

- Provide independent RE to perform lift safety tests on site assisted by competent worker from RC
- Perform work from administration and e-platform entry to form submission by RC
- Handover inspection after modernization or new installation
- Offer consultant services for modernization work including tender process and project management
- Provide RC routine maintenance performance audit

ABOUT SGS

SGS is the world's leading inspection, verification, testing and certification company. SGS is recognised as the global benchmark for quality and integrity. With more than 95,000 employees, SGS operates a network of over 2,400 offices and laboratories around the world.

We provide competitive advantage, drive sustainability and deliver trust. At SGS, we are continually pushing ourselves to deliver innovative services and solutions that help our customers move their businesses forward.

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