

Integrity in the Recent Past of construction Testing & Certification

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- March 2010 HKCTC Report —
Hong Kong has advantage to develop Testing and Certification Industry.
- One of the crucial point for Testing Industry – Integrity.
- Nov 2011 Corruption prevention guide for testing and certification industry- by ICAC
- HKAS Supplementary criteria no. 6 “Code of Conduct” fully implemented March. 2012.
- Most Laboratories
Follow Code of Conduct
Absolutely no faked or counter feit result.

Provide testing service to Government departments
- Computer records.
- CCTV record.
- Immediate web-site upload.
- Frequent unannounce visit.
- Improvement on integrity is certain

Testing operations with high risk

- The following operations are particularly very vulnerable to the integrity issues
- Nondestructive testing
- On site testing
- Sampling of test specimen

Nondestructive testing

- Ultrasonic test – instantaneous signal and No electronic records to prove the presence of defects
- Magnetic particle and dye penetrant test – just spray and left the site afterward without performing the test.

SKIP OVER SC36

Handle Over Capacity Situation

	A Construction Project	B Sub-Subcontractor
Issue quotation	Yes	No record
Works order	Yes	No record
Work sheet	UT 20 meters per day	Extra 30 meters no record
Report	HOKLAS Report with record	HOKLAS Report without copy
Account	Receive cheque & issue receipt	Cash receipt

On site testing

- Slump test for concrete workability – tests not done but result is “pass”
- Anchor bolt pull out test – test not done but result is “pass”

Sampling

- Select good test sample
- Pretreated sample.

Inspection Body

- Welding inspection – welder approval not done but “Approval Certificate” issued

Recommended to make photo records.

- Factory product inspection – factory not visited but “Inspection Report” issued indicate a “pass”

Certification Body

- Commercial pressure from the client
- Significant cutting corner by the auditor
- Issue of Certificate without conducting on site audit
- Just a very long lunch instead of audit
- No non-conformity raised or just a very few observations to please the client

- No. of New Testing Laboratories – Welds and Structural Fixings
- Refresher Course on “Code of Conduct”
- Developers through Architect to employ material testing laboratory directly NOT by construction company

This can further improve Integrity of construction material testing laboratories

Thank You