



CERTIFICATE OF COMPETENCY

This is to certify that

Mr Sample Example
of
YJACK Technology Sdn Bhd

has on
2022/JUNE
achieved the rank of

**PILE TEST SPECIALIST
COMPETENCY LEVEL: L4**

on the Static and Dynamic
Pile Testing Competency Tests:

A: Top-Loaded Setup
B: Bi-Directional Installation
C: Data Acquisition
D: Data Analysis
E: Technical Supports
F: Technical Trainings

The ability of the individual
named to provide appropriate
knowledge and advice on a specific
project is trained based on the
Malaysian Construction Industry
Development Board, Construction
Industry Competency Blueprint,
Construction Industry Occupational
Title (CIOT) as described in the
enclosed sheet (scan QR code).



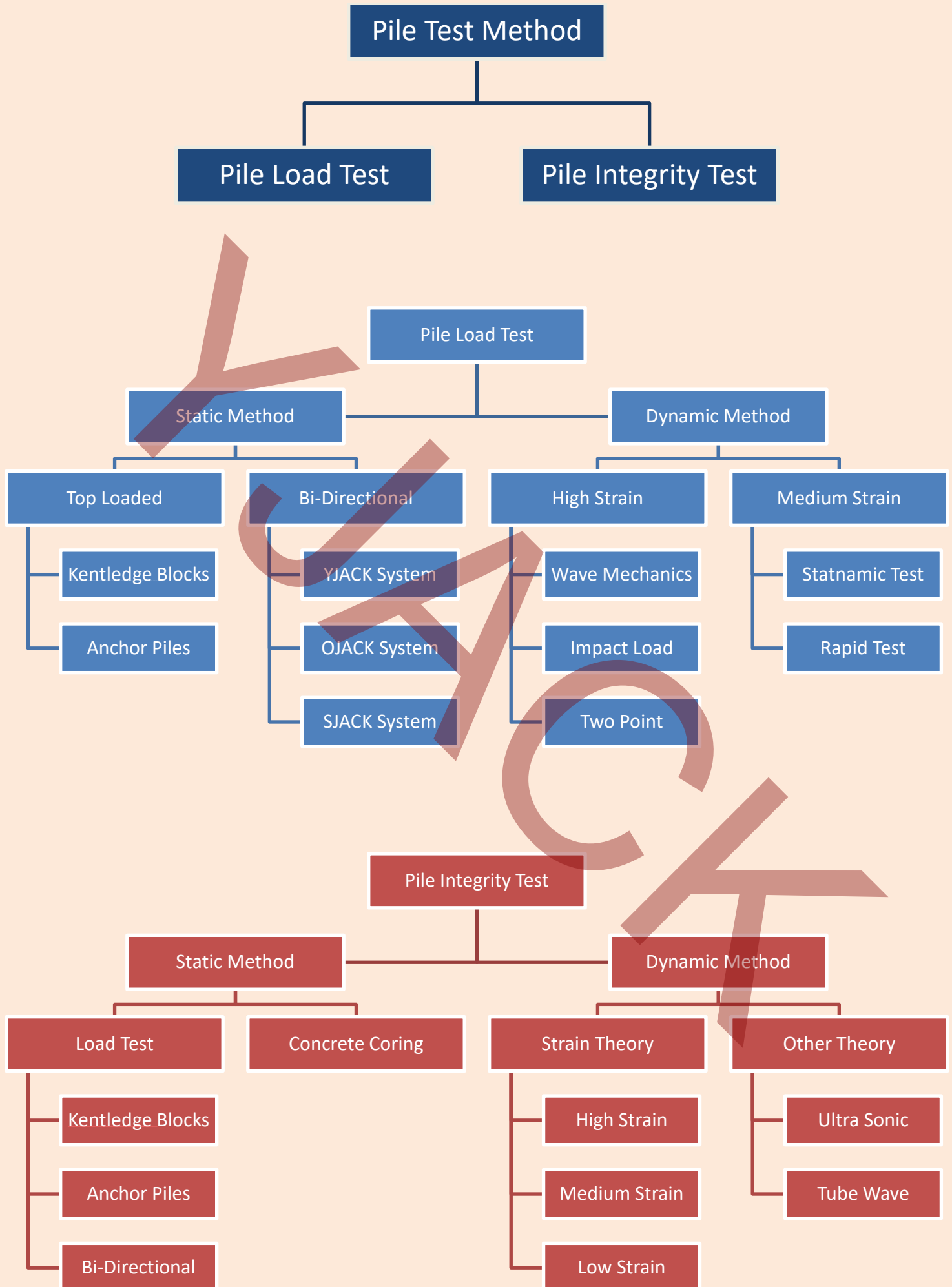
QR CODE 99

WAI/YEE KONG
Pile Test Expert
Competency Level L6
YJACK Technology, Malaysia



M B C 0 0 2 3 7

Pile Test Competency Scope



Pile Test Competency Certification



Code 46 | 47 | 48



Integrity Pile Test @Pile Test Base
Training Module 1 of 3: Basic Level
 (Low Strain, Ultra Sonic, Tube Wave)
 L1: Pile Test Assistant
 L2: Pile Test Technician
 L3: Pile Test Engineer



Code 44 | 45 | 49



Dynamic Pile Test @Pile Test Base
Training Module 2 of 3: Intermediate Level
 (High Strain, Medium Strain, Hole Profiling)
 L2: Pile Test Technician
 L3: Pile Test Engineer
 L4: Pile Test Specialist



Code 41 | 42 | 43



Static Pile Test @Pile Test Base
Training Module 3 of 3: Advance Level
 (Static Compressive, Bi-Directional, Pile Instrumentation)
 L3: Pile Test Engineer
 L4: Pile Test Specialist
 L5: Pile Test Master



Pile Test Competency Level
Construction Industry Development Board (CIDB)
Construction Industry Competency Blueprint (CICB)

- L1: Pile Test Assistant (workers, no qualifications)
- L2: Pile Test Technician (certificates and higher)
- L3: Pile Test Engineer (diploma and higher)
- L4: Pile Test Specialist (min 10,000 working hours)
- L5: Pile Test Master (min 3 years in L4)
- L6: Pile Test Expert (min 3 years in L5)

Pile Test Competency Level Chart

Effective Date: 2017/01/01

Malaysia > CIDB > CICB > CIOT > Pile Tester

Malaysia > Construction Industry Development Board > Construction Industry Competency Blueprint > Construction Industry Occupational Title > Pile Tester

Pile Test Occupancy Title	Static Pile Load Test Top-Loaded Kentledge Blocks	Static Pile Load Test Top-Loaded Anchor Piles	Static Pile Load Test Bi-Directional Bored Piles	Static Pile Load Test Bi-Directional Concrete Piles	Dynamic Pile Load Test High Strain PDA Method	Dynamic Pile Load Test Medium Strain Statnamic Method
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Occupancy Title Pile Test Expert	Top-Loaded Static Pile Load Test	Bi-Directional Static Pile Load Test	Dynamic PDA Pile Load Test	Dynamic Statnamic Pile Load Test
Level L6	Pile Test Expert	Pile Test Expert	Pile Test Expert	Pile Test Expert
Min Qualification	pass committee evaluation			pass committee evaluation
Min Experience	3 years in L5			3 years in L5
Job Function	technical certifications			technical certifications

Occupancy Title Pile Test Master	Top-Loaded Static Pile Load Test	Bi-Directional Static Pile Load Test	Dynamic PDA Pile Load Test	Dynamic Statnamic Pile Load Test
Level L5	Pile Test Master	Pile Test Master	Pile Test Master	Pile Test Master
Min Qualification	pass competency test			pass competency test
Min Experience	3 years in L4			3 years in L4
Job Function	technical trainings			technical trainings

Occupancy Title Pile Test Specialist	Top-Loaded Static Pile Load Test	Bi-Directional Static Pile Load Test	Dynamic PDA Pile Load Test	Dynamic Statnamic Pile Load Test
Level L4	Pile Test Specialist	Pile Test Specialist	Pile Test Specialist	Pile Test Specialist
Min Qualification	pass competency test			pass competency test
Min Experience	200 analysis + 10 supports			2000 analysis + 100 supports
Job Function	technical supports			technical supports

Occupancy Title Pile Test Engineer	Top-Loaded Static Pile Load Test	Bi-Directional Static Pile Load Test	Dynamic PDA Pile Load Test	Dynamic Statnamic Pile Load Test
Level L3	Pile Test Engineer	Pile Test Engineer	Pile Test Engineer	Pile Test Engineer
Min Qualification	degree and higher or pass competency test	degree and higher or pass competency test	degree and higher or pass competency test	degree and higher or pass competency test
Min Experience	20 analysis + 5 reporting	20 analysis + 5 reporting	200 analysis + 20 reporting	analysis & reporting
Job Function	analysis & reporting	analysis & reporting	analysis & reporting	analysis & reporting

Occupancy Title Pile Test Technician	Kentledge Blocks	Anchor Piles	Bi-Directional Bored Piles	Bi-Directional Concrete Piles	High Strain PDA Method	Medium Strain Statnamic Method
Level L2	Pile Test Technician	Pile Test Technician	Pile Test Technician	Pile Test Technician	Pile Test Technician	Pile Test Technician
Min Qualification	diploma and higher	diploma and higher	diploma and higher	diploma and higher	diploma and higher	diploma and higher
Min Experience	5 setup + 10 testing	5 setup + 10 testing	5 install. + 10 testing	5 install. + 10 testing	50 setup + 100 testing	5 setup + 10 testing
Job Function	setup & testing	setup & testing	installation & testing	installation & testing	setup & testing	setup & testing

Occupancy Title Pile Test Assistant	Kentledge Blocks	Anchor Piles	Bi-Directional Bored Piles	Bi-Directional Concrete Piles	High Strain PDA Method	Medium Strain Statnamic Method
Level L1	Pile Test Assistant	Pile Test Assistant	Pile Test Assistant	Pile Test Assistant	Pile Test Assistant	Pile Test Assistant
Min Qualification	general worker	general worker	general worker	general worker	general worker	general worker
Min Experience	no	no	no	no	no	no
Job Function	general site works	general site works	general site works	general site works	general site works	general site works

Prepared By: WAI/YEE KONG

Expert Member, Construction Industry Competency Blueprint (CICB)

On 2016/12/12



Mr. WAI/YEE KONG (Yekong Wai)

Professional Competency Level

Pile Test Expert

Competency Level: L6 (Highest)

DFI/USA Certified Pile Test Engineer (Advanced, 2004)

Pile Test Competency

Static Pile Load Test

Static Compression : Excellent

Bi-Directional: Excellent

Pile Instrumentation: Excellent

Dynamic Pile Load Test

High Strain: Excellent

Two Point: Excellent

Impact Load: Excellent

Rapid Test: Intermediate

Statnamic Test: Intermediate

Dynamic Pile Integrity Test

Low Strain: Excellent

Ultra Sonic: Excellent

Tube Wave: Excellent

Dynamic Pile Imaging Test

Hole Profiling: Excellent

TV Video: Excellent

Parallel Seismic: Excellent

Pile Analysis Competency

CAPWAP: Excellent

RSMWAP: Excellent

RSIWAP: Excellent

ROCKSEA: Intermediate

TNO: Intermediate

SIMBAT: Intermediate

UNIPILE: Intermediate

International Invention Patents

YLOAD: Impact Load of Pile Driving

YJACK: Bi-Directional Pile Test, Type C

ROCKETshaft: Pile Lateral Load Recovery

PUSHshaft: Bi-Directional, Top-Loaded

TremieMATE: Solid Pile Base Guaranteed

International Software Copyrights

QSWAP: analysis software for high-strain

QSDAP: analysis software for bi-directional

QSTOP: analysis software for top-loaded

Personal

Year of Birth: 1967

Address Line1: 20, Jalan PP 11/5, Alam Perdana Industrial Park

Address Line2: 47130 Puchong, Selangor, Malaysia

Email: yekong2012@gmail.com | yekong2012@live.com

Website: www.YJACKpiletest.com | www.MrGeoTECH.com | www.MrGeo2U.com

Education

1991

Bachelor in Civil Engineering (Hons)

University Teknologi Malaysia (UTM)

Careers

2022

MrGeo Professional Group (Chief Technical Officer)

2014

YJACK Professional Group (Chief Technical Officer)

1997

Traswaja Pile Testing Sdn Bhd (Technical Director)

1995

Dynamic Pile Testing Sdn Bhd (Technical Manager)

1994

Soil Dynamics (M) Sdn Bhd (Pile Test Engineer)

1991

University Technology Malaysia (Pile Test Research Officer)

Certifications

2004

Certified Pile Test Engineer (Advance Level, DFI/USA)

2000

World Patent Holder (YLOAD Dynamic Pile Test Method)

2014

World Patent Holder (YJACK Static Pile Test Method)

Publications

1997

Impact Load Analogy in Pile Driving (Hong Kong)

2003

New Breakthrough Technology in Pile Testing (Malaysia)

2003

Impact Load Theory – A New Testing Method (China)

2003

Advance Analysis in Low-Strain Pile Test (China)

2006

Compatibility Study on Impact Load Theory (Malaysia)

2013

22 Years' Experience in High-Strain Pile Test (Indonesia)

2013

State-Of-The-Art YJACK in Bi-Directional Pile Test (Indonesia)

Awards

2015

Int'l Construction Council Innovation Award for YJACK

2016

High Impact Program2 (HIP2), Agency Innovation Malaysia

2017

Productivity Champion for YJACK, Malaysia Productivity Corp



S/N : CIBBMC-161111-04



Certificate of Appreciation

Proudly presented to

WAI YEE KONG

From

YJACK

As a token of appreciation & sincere gratitude

in recognition of his/her contribution as

**A MEMBER OF DEVELOPMENT ADVISORY COMMITTEE
"CONSTRUCTION INDUSTRY COMPETENCY BLUEPRINT" (CICB)**

MATA CCD: 30 MATA

MOHD NAZLI BIN AHMAD MAHYADIN

Senior General Manager

Personnel & Contractor Development Sector

Malaysian Construction Industry Development



Approval No.: CIBBHQ/A/2016/0085