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EXPERT PANEL OF



A62

# CRANE / LIFTING SUPERVISOR TRAINING PROGRAM

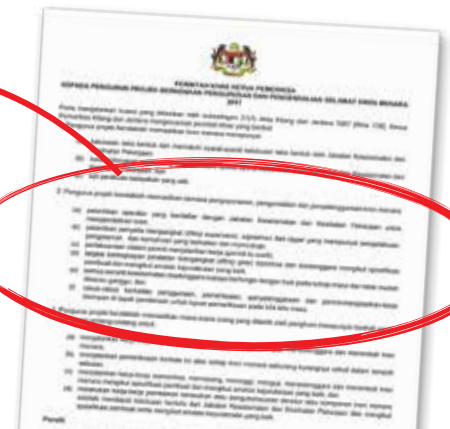
As per  
British Standard  
7121: Part 1 2016  
and Part 2 2012

安全培训

## DOSH (JKKP) NEW CIRCULAR REQUIRES COMPETENT LIFTING SUPERVISOR EFFECTIVE 5th JUNE 2017

Pengurus projek hendaklah memastikan semasa pengoperasian, pengendalian dan penyelenggaraan kren menara:

- ✓ Pelantikan penyelia mengangkat (lifting supervisor), signalman dan rigger yang mempunyai pengetahuan, pengalaman dan kemahiran yang berkaitan dan mencukupi.



### OBJECTIVES

- ✓ The aim of this course is to provide candidates with underpinning knowledge and skills in order for them to perform the roles and responsibilities of a Crane Lifting Supervisor.
- ✓ Following successful completion of the course candidates will be able to understand and ensure safe systems of work for lifting operations including understanding risk assessments and method statements.

### METHODOLOGY

- ✓ Lectures with Q&A, Handout Notes, Foreign Language Translator (Optional)
- ✓ Accident Pictures & Video shows with discussion
- ✓ HIRARC Activity – Case studies discussion
- ✓ Pre / Post Theory Tests
- ✓ Pre-operation Inspection
- ✓ Practical Operations Demonstration & Assessment

### TARGET PARTICIPANTS

- ✓ This course is aimed at anyone who is required to supervise safe system of work using lifting equipment. It is recommended that prior to attending this course individuals should have experience of working with lifting equipment, especially mobile cranes and have passed the theory and practical tests of Rigging, Slings, Signalling and Tagline Holding (A40) of ISOSB.

### DURATION

- ✓ 5 days – 35 hours
- ✓ Weekday / Weekend and Modular Classes Available

TRAINER: Lt. Colonel (CD) Frank Tan, PMP, PJK, PBP, PAP was the

- Expert Panel Specialist appointed by (JPK) Jabatan Pembangunan Kemahiran to develop the only National Occupational Skills Standard in the fields of MHE Operations and Maintenance and Mobile Elevating Work Platform Operations, Crane Lifting Operations.
- Expert Panel Specialist appointed by CIDB to develop the 5 modules under MEWP & Lifting Operations Modules Rigging/ Slings, Signaling, Lifting Supervisor.
- He holds professional certifications & qualifications in Crane Lifting / MHE / MEWP Operations and Vocational Training Officer (JPK), Train The Trainer (HRDF), Certified Lifting Director (ITI, accredited by LEAA & ASME), American Society of Safety Engineers, Society of Automotive Engineers USA, PUWER & LOLER (UK) certifications.
- He has more than 35 years of training & practical experience and has served as speaker and trainer at many MNCs, GLCs, PLCs, SMEs, NIOSH, ABM, CIDB, Local and International Conferences.



## LEARNING OUTCOME

Through a combination of targeted training and experience, a Crane Lifting Supervisor will be able to:

### LEGISLATIVE AND REGULATIVE

- ✓ Explain the duties and responsibilities of: an Appointed Person, a Crane Supervisor, a Crane Operator, a Slinger, a Signaller, a Crane Erector, and Maintenance Personnel.
- ✓ State basic requirements of legislation, regulations, and Codes of Practice that relate to all types of lifting duties.
- ✓ Explain maintenance, inspection, thorough examination and testing requirements for lifting equipment and accessories.
- ✓ State requirements that allow safe site access and egress for typical lifting equipment.  
Explain additional requirements for loads to be lifted from height.

### LIFTING EQUIPMENT

- ✓ Explain the function and use of, and use information provided by, RCI and anti-collision systems.
- ✓ Describe setting up, erection, levelling and dismantling requirements for different types of lifting equipment and lifts.

### LIFTING ACCESSORIES

- ✓ List different types of lifting accessories and explain typical applications.
- ✓ Identify and explain relevant information relating to different types of lifting accessories i.e. markings, certificates and thorough examination reports, etc.
- ✓ Verify sling sizes and angles.
- ✓ Explain slinging techniques for given loads including balanced, unbalanced and loose.
- ✓ Verify appropriate lifting accessories for given types of loads in accordance with given method statement.

- ✓ Confirm weights and centres of gravity for different types of loads in accordance with a given method statement.

### COMMUNICATION

- ✓ Describe and demonstrate different types of communication methods for lifting purposes.
- ✓ Communicate the lift plan information to others involved in a lifting operation.
- ✓ Report and explain positive and negative aspects of a typical lift following and operation to the Appointed Person.

### SUPERVISING

- ✓ Identify potential hazards and unsafe lifting practices using given lifting scenarios.
- ✓ Evaluate and explain how environmental factors and the surrounding area external to the lift zone can affect the planned lifting operation.
- ✓ Prepare and area, with exclusion zones, from given lifting plans, ensuring safe access/ egress routes for before, during and after the lift.
- ✓ Mark the position of lifting equipment according to a given plan.
- ✓ Verify potential proximity and underground hazards from given plans and drawings.
- ✓ Confirm personnel requirements to meet the lift plan.
- ✓ Mark the position of lifting accessories and prepare load spreading systems as required.
- ✓ Confirm lifting equipment configuration from given plans.
- ✓ Control a lifting operation using a given lifting plan.



### Some of our satisfied clients:

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### ★ Winner of 9 International & Local Awards

MOF Registration #357-02124992  
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5 Star Rating Training Provider of HRDF  
Training Provider: FELDA/ NESTLE/ PETRONAS/ SHELL/ TNB  
Training Partner: ABM, APM, BSR, HRDF(M), GF(ASIA), FedUni(Aust), API(USA)  
Training, Curriculum & Content Developer: HRDF, DSD, CIDB  
The Malaysia Book of Records 2019 Winner (with APM)

### ★ Behavior-Based Safety (BBS) Operations Training

Forklift / Reach Truck / PP Stacker / VNA  
Reach Stacker / ECL / Excavator Crawler / Telehandler  
MEWP (Scissors Lift / Boom Lift / Vertical Lift / Sky Lift)  
OTC, Lorry Crane, Rigger, Signaller, Lifting Supervisor & Planner  
Defensive Driving: Ambulance / Fire Eng. / Car / Bus / Van / Lorry  
Crane & Plant Inspection, LOLER, PUWER, LOTO, 5S+



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