



>15 years since 2003  
*bringing you home safely*  
Kejuruteraan, Keselamatan & Kesihatan Pekerjaan

APPROVED TRAINING PROVIDER



Department of Occupational Safety & Health

**A62**

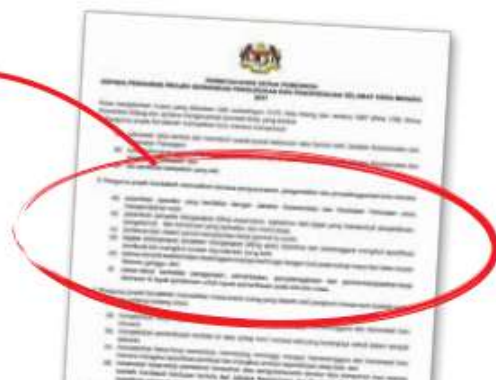
# CRANE / LIFTING SUPERVISOR TRAINING PROGRAM

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

## 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.

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, Crane Lifting Planner.
- He holds professional certifications & qualifications in Crane Lifting / MHE / MEWP Operations and Vocational Training Officer (JPK), Train The Trainer (HRDF), Certified Lifting Director, Specialised Transportation (ITI, accredited by LEEA & 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 NIOSH, ABM, CIDB, many MNCs, GLCs, PLCs, SMEs, 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 off, and use information provided by, RCIs 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:

Abx Express, A-Sonic Customs Broker Services, Aerodarat, Agility, Airbus, Airod, Air Products, Aker Solutions, Akzo Nobel, Amsteel, Ancom, Ann Joo, APM, Armstrong, Avery Dennison, B.Braun, Bahrui Stainless, Baker Hughes, BAT, BNM, Bauer, Blue Scope, Bofi, Boston Scientific, Bradken, British High Comm., BSG, CAE Kuala Lumpur, CAMPBELL Cheong Wan, CARRIER International, Carsem, CEL Logistics, Cenviro, CHEC Construction, Chevron, China Const. Co., Celestica, Cement Industries, Cenviro, CIBA VISION, CIBD, Citylink, City Piling, CJ Century, Coffee Bean, Concept Design, Daikin, Dell, DHL, Dialog, Digi, DRB-Hicom, Dutch Lady, Ecologis, EEV, Elektrisola, Entegris, Equator Engineering, Essential Logistics, ETOPS, Eurocare, Everly Hotel, Federal Fujikura, FedEx, FELDA, FGV Kernel Products, Fibertex, Flextronics, Flowfuel, FM Global Logistics, Fonterra, Foresight, Fueller Logistics, Gading Kencana, GAMUDA GEO, Gardenia, Gas Malaysia, GD Express, GE, Genesis Curis, German Automotive Lighting, Giada Trading & Transport, Giant, Gold Coin, Govt. Hospitals, Greencon Resources, GREENTECH Constructions, Halfen Moment, Halliburton, Hartalega, Hartrodt Air Services, Hitachi, Honda, Hume Cement, IUUM, IJM, IMA, Istana Budaya, Isuzu, Jebesen & Jessen, JB Cocoa, Johnson, Johor Port, Jupiter Logistics, Keller, Kerthi Airport, Kintetsu World Express, KLCC, Kobe, Komatsu Ltd, Konsortium PD, Kontena Nasional, KRAIBURG TPE Technology, K&N, Lafarge-Holcim, Laubros, Legoland, Liebherr, Linocraft, Lotte-Titan, LS Prisma, MAB, Macfood, Majlis Perbandaran Manjung, Malakoff, Malaya Glass, Malaysia Transformer (MFS), Mammoet, MAPA Gloves, MASKargo, Masterpave, Maxis, MBF Printers, MEC Forwarding System, Menard, Merlin Entertainment, MISC, MMC-Gamuda, MMHE, MML, Mondri, Monier, Motorola, MRCB, Muda Paper, Mudajaya, Mujuj Minat, Mydin, Nestle, Nilai Medical, NITTSU, Newwin Engineering, North Oil, Northport, NPK Fertilizer, Orica - CCM, Panasonic, Parrots Enterprise, PCA Group, Pengerang Gas Solution, Percetakan Nasional, Perodua, Petrofac, PETRONAS, PHILI-ORIENT Logistics, Philip Morris, PKT Logistics, PLUS, Prifaria, PROTON, PTP, Public Crane Heavy Equipment, Red Crescent, RLDE, RK Lorry Transports, Rohde & Schwarz, Rokonma, Samsung, Sapura, Sarawak Timber, Schenker Logistics, Segi, Senai Airport, Sentiasa Hebat, SGL, Shell, Shimano, Shin-Etsu, Shopee, Sime Darby, Skyinet, SODEXO Malaysia, Song Transport, Southern Steel Mesh, St John, Sumitomo, SunPower, Sunway, Tatsuno Engineering & Service Malaysia, Swift Integrated Logistics, Syngenta, TCIM, Technip-FMC, Teleflex, TLIT Hardware Machinery, TNB, TNT Express, TESCO, TNLS, TNO Project Management, TOMCARE Resources, Top Glove, Trans Elite, Triangle Worldwide, Tune Insurance, Tung Shin, UAC, UDA Holdings, UEM Edgenta, UITM, UKM, UMP, Unisteel, UPB, UPM, V.S Industry, Venture, Vesuvius, VISION World Construction, Viva Haulage, Volvo, VOLVO Car Manufacturing, Vopak, Watson, WCT, WD, World Asia Logistics, World Express, World Kitchen.

### ★ Winner of 9 International & Local Awards

MOF Registration #357-02124992  
5 I-Ray Eyes Technique Patent Owner  
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, CIBD  
The Malaysia Book of Records 2019 Winner (with APM)

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

Forklift / Reach Truck / PP Stack / 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, SS+



THE ISO GROUP  
(operated by In-Source Options Sdn Bhd)

35, Jalan Serendah 26/39, Kawasan Perindustrian Hicom, Seksyen 26, 40400 Shah Alam, Selangor, Malaysia.

Tel: 03-5103 4687 Fax: 03-9235 1167

Email: frank@isogroup.com.my / franktan88@gmail.com

Website: www.isogroup.com.my

CONTACT US

Lt. Colonel (CD) Frank Tan

018-7719266

 The ISO Group