

2018 COURSE CATALOGUE







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INTERNATIONAL OFFSHORE CRANE AND RIGGING COURSES

The Australasian Training Company (ATC) holds international membership and accreditation in the offshore industry. We at ATC deliver high quality internationally recognised offshore crane operator training and assessments from the highest of international regulations, standards and authorities. We understand the challenges faced in order for employees to attend training courses and assessments across the greater south eastern Asian region including Australia.

The Australasian Training Company can mobilise our trainers and assessors anywhere in the world to deliver internationally recognized training, verification of competency and other skills assessments.



Onsite training is a flexible and cost/time effective solution as we work around your production schedules with minimal downtime. There is a reduced risk of your employees not 'showing-up' to the training courses and training/assessment can be undertaken whilst work is being performed.

We can customize and modify training and assessment to meet your company and operational policies, procedures, standards and any specific equipment requirements.

Our trainer/assessors and support team can undertake training needs analysis (TNA), consulting, supervisions and development of skills training, community based education programs, commissioning and shut downs, competency management and assurance and career pathways.





OFFSHORE CRANE OPERATOR- PMASUP305

AIMS AND OUTCOMES

This course is designed to ensure that participants with the necessary skills and knowledge to operate an offshore crane safely and efficiently. An offshore crane may include various crane classes temporarily or permanently mounted to a vessel, FPSO, MODU, fixed platforms, dive vessels, FSU's and barges or similar.

The offshore crane operator training course is based on competencies within the Australian Qualification Framework (AQF); Legislation in the Workplace - AS 2550.1 Safe use of Cranes; NORSOK Standard R-003 - Safe use of lifting equipment; Offshore Petroleum Act 2006; IMCA Standards and Guidance notes.

This training is recommended by the National Offshore Petroleum Safety Environment Management Authority (NOPSEMA) in the Australian offshore petroleum environment.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

5 Days or 3 Days for experienced operators (RPL) or Refresher

MAXIMUM PARTICIPANTS

6 Persons

PERFORMANCE CRITERIA

- Input data and use of Load Safety Indicator Functions
- Interpretation of Crane Capacity Charts and Manuals
- Identify sea state and adverse weather conditions
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts



COURSE CONTENT

- Adherence to statutory and regulatory authority requirements and company procedures
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- Apply risk assessment and hazard control strategies
- Locate and apply relevant documentation, policies and procedures
- Establish and maintain communications with bridge, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical and final practical assessment is to be conducted with an offshore crane or simulator

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

OFFSHORE CRANE OPERATOR STAGE 1 - BS7121 PART 11

AIMS AND OUTCOMES

This course is designed to give participants with little or no crane experience the fundamentals in accordance with British Standards BS7171 Part 11 Offshore cranes. Delegates who work with and or around offshore cranes are required to complete this introduction into load slinging, rigging and crane operations in preparation for advancement to Offshore Crane Operator Stage 2 training.

The course includes both theory and practical components, with participants undertaking practical exercises including operation of offshore crane simulations and inspection of lifting gear to ensure familiarity with procedures, equipment and crane safety systems.

PRE-REQUISITIES

There are no pre-requisites for this course

DURATION

3 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Interpretation of crane capacity charts and manuals
- Use of an offshore crane simulator
- Perform pre-operational and shutdown procedures
- Provide comprehensive understanding of a crane operator's responsibilities under prevailing legislation



COURSE CONTENT

- Introduction to Prevailing Health & Safety Legislation and Standards including UK Health and safety at work etc. Act, LOLER Regulations 1998, PUWER Regulations 1998 and BS7121 Part 11
- Crane and Rigging Terminology
- Principles of crane operations and stability
- Safety Devices and Safe Working Loads
- Rigging and Load weight calculations
- Introduction to Wire Rope inspection and construction
- Inspection and safe use of slings and rigging equipment
- Pre-operational checks and shutdown procedures
- Safe load transfer/movement principles
- Understanding Crane Capacity Charts and Manuals
- Dynamic and wind loading factors
- Communication associated with lifting operations
- Use communication skills at a level sufficient to communicate with other offshore vessels
- Theoretical examination

CERTIFICATION

Participants may be awarded an Offshore Crane Operator Stage 1 certificate of completion allowing them to progress to the Offshore Crane Operator Stage 2 training level.

Certification is issued in accordance with BS 7121 Part 11 upon successful completion

OFFSHORE CRANE OPERATOR STAGE 2 – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 2 Offshore Crane Operator course aims to give participants the knowledge required to operate an offshore crane in a safe and efficient manner. This is achieved using a bank of scenarios on the offshore crane simulator or by utilising an offshore crane to conduct deck lifts under supervision. Offshore crane operator stage 2 training should follow as soon as is practicable after Offshore Crane Operator Stage 1 training.

The course includes both theory and practical components, with participants undertaking practical exercises including operation of crane simulations to ensure familiarity with procedures, equipment and crane safety systems.

PRE-REQUISITIES

Offshore Crane Operator Stage 1

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Crane pre operational checks and maintenance
- Wire rope inspection and care
- Safe rigging practices and Rigging calculations
- Offshore crane safety devices and Dynamic Factors
- Safe working loads and load safety indicators
- Conduct Deck lifts using a Crane or Use of an offshore crane simulator



COURSE CONTENT

- Prevailing Health & Safety Legislation and Standards including UK Health and safety at work etc. Act, LOLER Regulations 1998 and PUWER Regulations 1998 and BS7121 Part 11
- Understanding of crane and installation safety systems and devices
- Emergency operating procedures
- Machine awareness and safe areas for crane operation
- Ability to work with a Banksman and/or Riggers
- Radio procedures
- Pre-use checks, Inspection Routines and crane maintenance
- Operational controls ability and attitude towards safe operations
- Crane load charts and safety equipment
- Slings of loads and use of rigging gear

CERTIFICATION

Offshore Crane Operator Stage 2 certificate of assessment is issued to conduct all deck lifts and allowing progression to the Offshore Crane Operator Stage 3 training level. Certification is issued in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from issue date.

OFFSHORE CRANE OPERATOR STAGE 2 RE-ASSESSMENT – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 2 Offshore Crane Operator Re-Assessment course aims to give participants the knowledge required to continue to operate an offshore crane in a safe and efficient manner. This is achieved using a bank of scenarios on the offshore crane simulator or offshore crane by demonstrating experience with offshore deck lifts in an offshore environment.

The Stage 2 Offshore Crane Operator Re-Assessment course is used to assess the continued competence of offshore crane operators. BS 7121 Part 11 states that an offshore crane operators' competence should be re-assessed every 2 years. Use of an offshore crane simulation exercises play a part in complying with this standard.

PRE-REQUISITIES

Offshore Crane Operator Stage 2

Logged hours and documented evidence of offshore deck lifts

DURATION

1 Day

MAXIMUM PARTICIPANTS

6 Persons

PERFORMANCE CRITERIA

- Plan work
- Crane pre operational checks and maintenance
- Wire rope inspection and care
- Safe rigging practices and Rigging calculations
- Offshore crane safety devices and Dynamic Factors
- Safe working loads and load safety indicators
- Conduct Deck lifts using a Crane or Use of an offshore crane simulator



COURSE CONTENT

- Review of prevailing legislation, regulations and standards
- Understanding of crane and installation safety systems and devices
- Emergency operating procedures
- Machine awareness and safe areas for crane operation
- Ability to work with a Banksman and/or Riggers
- Radio procedures
- Pre-use checks, Inspection Routines and crane maintenance
- Operational controls ability and attitude towards safe operations
- Crane load charts and safety equipment

CERTIFICATION

Offshore Crane Operator Stage 2 certificate of re-assessment is issued to conduct all deck lifts.

Certification is issued in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue.

OFFSHORE CRANE OPERATOR STAGE 3 – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 3 Offshore Crane Operator Assessment is an internationally recognised and accepted assessment strategy for offshore crane operators. Candidates will be required to demonstrate knowledge, understanding and practical skills to successfully complete the assessment process and be deemed competent to work safely and effectively unsupervised. Participants will be required to operate an offshore crane unsupervised over a full range of lifting activities including vessel to vessel transfer operations. The Assessor will accompany the crane operator to the crane cab and expect the operator to give a detailed and thorough description of the crane and its workings.

The Practical assessment is to be carried out on the worksite, using an offshore-rated crane to carry out lifting operations for the purposes of assessment. This is to be provided by the candidate or their sponsor. The practical assessment is expected to take one day, but is dependent on access to the worksite and operational requirements.

PRE-REQUISITES

Stage 2 Offshore Crane Operator and
Evidence of supervised and logged overside offshore lifts

DURATION

4 Days

MAXIMUM PARTICIPANTS

6 Persons



PERFORMANCE CRITERIA

- Plan work and provide comprehensive understanding of a crane operator's responsibilities
- Input data, use of Load Indicator Functions and Interpretation of Crane Capacity Charts and Manuals
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts
- Conduct vessel to vessel transfer of loads and use of personnel transfer equipment

COURSE CONTENT

- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of load mass
- Locate and apply relevant documentation, risk assessment and hazard control strategies
- Establish and maintain communications with all personnel, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical Assessment with a pass mark of 80% and Practical Assessment

CERTIFICATION

Offshore Crane Operator Stage 3 certificate of assessment is issued to conduct all offshore lifts in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue.

OFFSHORE CRANE OPERATOR STAGE 3 RE-ASSESSMENT – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 3 Offshore Crane Operator Assessment is an internationally recognised and accepted assessment strategy for offshore crane operators. Candidates will be required to demonstrate knowledge, understanding and practical skills to successfully complete the assessment process and be deemed competent to work safely and effectively unsupervised

The Stage 3 Offshore Crane Operator Re-Assessment course is used to assess the continued competence of offshore crane operators. BS 7121 Part 11 states that an offshore crane operators' competence should be re-assessed every 2 years. The practical assessment can be conducted on a crane simulator. If the practical assessment is to be carried out on the worksite using an

offshore-rated crane to carry out lifting operations, this is to be provided by the candidate or their sponsor.

PRE-REQUISITES

Stage 3 Offshore Crane Operator

Logged hours or documented evidence of overside lifts

DURATION

1 Day

MAXIMUM PARTICIPANTS

6 Persons



PERFORMANCE CRITERIA

- Plan work and provide comprehensive understanding of a crane operator's responsibilities
- Input data, use of Load Indicator Functions and Interpretation of Crane Capacity Charts and Manuals
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts
- Conduct vessel to vessel transfer of loads and use of personnel transfer equipment

COURSE CONTENT

- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of load mass
- Locate and apply relevant documentation, risk assessment and hazard control strategies
- Establish and maintain communications with all personnel, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical Assessment with a pass mark of 80% and Practical Assessment

CERTIFICATION

Offshore Crane Operator Stage 3 certificate of assessment is issued to conduct all offshore lifts in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue.

API-U QUALIFIED OFFSHORE RIGGER – API RP 2D

AIMS AND OUTCOMES

This course will provide the skills necessary to evaluate loads, select the appropriate slings, hitch and hardware equipment for performing the lifting of loads. Personnel will learn techniques to perform daily inspections, assess rigging safety and properly communicate with other riggers and to ensure overall safety during material handling/lifting processes. Those attending this training will learn crane operating principles, lifting operational safety, load control methods, lifting equipment inspection procedures, communications, and load handling techniques.

PRE-REQUISITIES

There are no pre-requisites for this course

DURATION

3 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Understand compliance with prevailing legislation
- Identify proper rigging components
- Select correct rigging equipment
- Select correct hitch applications
- Inspect rigging hardware
- Use of Loose Items and use of Hardware
- Understanding Basic Rigging principles and understanding Crane Operations
- Perform basic rigging and lifting equipment calculations
- Fleet Angles and Winch systems
- Perform offshore rigging general duties- your responsibilities
- Storage of rigging equipment



COURSE CONTENT

- Give examples of the result of incorrect use of lifting components and how this can be avoided.
- Show knowledge of the regulations regarding marking, documentation, use, maintenance, daily inspection and discard criteria of lifting gear.
- Choose correct lifting equipment and show correct methods of use.
- Direct crane operations safely using radio & hand signals
- Develop and follow a lifting plan and Risk assessment
- Lift planning and risk assessment
- Slings various types of load according to size, weight, shape and centre of gravity.
- Blind Lifts
- Choosing the correct lifting equipment
- Visual check of slings and lifting accessories
- Theoretical and practical examinations

CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.

API-U QUALIFIED OFFSHORE CRANE OPERATOR - API RP 2D

AIMS AND OUTCOMES

This course will provide the skills necessary to safely operate Offshore Cranes, perform daily inspections, assess rigging safety, properly communicate with riggers and supply vessels during lifts, and to ensure overall safety during material handling/lifting processes. Those attending this training will learn crane operating principles, operational safety, load control methods, inspection procedures, communications and critical load handling. Operation of an Offshore Crane and/or Simulator will be required to complete the course.

Completion of this course will qualify the candidate for Competency Assessment under API Recommended Practise 2D 7th Edition, Offshore Crane Operator Qualification procedures

PRE-REQUISITIES

Experience working with or around offshore crane is desirable

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work and Understanding lift6 plans
- Safely Operate Offshore Cranes
- Conduct Dynamic and Blind Lifts
- Man Riding Procedures
- Perform daily inspections
- Assess rigging safety
- Communicate with riggers
- Communicate with other vessels
- Handle critical loads
- Correctly identify weather conditions



COURSE CONTENT

This course will provide the skills and knowledge necessary for the candidate to begin to function in the capacity of an offshore crane operator. Persons will be qualified to perform routine lifts, and serve in the capacity as a designated signal person (DSP) for other qualified crane operators. This training will also provide the individual with Basic Rigging knowledge and skills, but does not qualify him/her to perform rigging or to operate overhead cranes, jacks, winches, come-a-longs or other lifting devices. To successfully complete this training, the student will be expected to complete practical hands-on exercises and pass a written theoretical examination.

CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.

API-U QUALIFIED OFFSHORE PEDESTAL CRANE INSPECTOR - API RP SPEC 2C & 2D

AIMS AND OUTCOMES

The course covers the requirements for the design, testing, inspection and examination of offshore pedestal cranes and their associated components and accessories as per API Spec 2C 7th Edition 2012 and API Recommended Practice 2D 7th Edition 2014. This course should be undertaken by persons involved in the QA/QC process for pedestal crane installation (temporary or permanent), Government agencies who inspect offshore cranes and overhead cranes, third party inspection (TPI) companies and any companies who wish for competent inspection staff

PRE-REQUISITIES

Current Medical (example- OGUK) to carry out Inspections

Basic knowledge of cranes, lifting equipment and relevant industry experience

DURATION

5 Days

MAXIMUM PARTICIPANTS

10 Persons



PERFORMANCE CRITERIA

- Understand the requirements of the applicable standards
- Be able to ascertain if the offshore pedestal crane meets the requirements set out in the standards and those of the original equipment manufacturer
- Carry out, with safety and competence, testing, inspection and examination of offshore pedestal cranes in accordance with API RP 2D and other relevant standards
- Prepare reports in accordance with API RP 2D, LOLER 1998 and client requirements

COURSE CONTENT

- Introduction into the use, frequency and Inspection of Cranes, Lifting and Hoisting Equipment
- The responsibility of a Crane Inspector
- Pre-use, monthly, quarterly and annual inspection criteria for Offshore API Spec Pedestal Cranes
- The Law, Rules and Regulations
- API 2C "Specification for Offshore Pedestal Mounted Cranes" Seventh Edition, October 2012
- API RP 2D "Operation and Maintenance of Offshore Cranes" - Seventh Edition, December 2014
- Safe working practices and Identifying crane parts
- King Post cranes and Overhead cranes inspection and what to look for on an offshore installation
- Equipment and tools needed by the crane inspector
- Examination of various offshore cranes (criteria)
- Read load charts in preparation for a 4 yearly proof test as laid down in AP 2C & D
- Studying the load radius of cranes, and their safe capabilities
- Examination of the function of the load indicator and looking at all safety devices on cranes
- Wire ropes, their safety factors of wire and their construction
- Examination of wire rope and possible faults during the inspection
- Prime movers and examination of the prime mover (electrical)
- Inspection of the Prime mover (Diesel powered, including power pack) and shut down Devices
- Engine house and associated equipment, Operator's cabin and its fittings
- Winches, crane functions & Inspecting
- Examination of Boom, Main and aux hoists and associated equipment, Gantry, A-frame and fittings
- Inspection of Main and Fly (Aux) block and possible faults
- Examination of the Sheaves during inspection and their possible faults
- Slew ring and its function including inspecting of slew area, slew ring deflection test and examination of slew gear teeth
- Pedestal flanges & pedestal weld inspection, examination of bearings and electrical connectors
- All Crane rigging and reeving
- Frequency of inspection Load testing
- Completing inspection reports & final theoretical examination paper

CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.



RIGGING LOFT MANAGEMENT

AIMS AND OUTCOMES

This course is aimed at personnel responsible for the issuing and control of lifting equipment from a Rigging Loft on-board an offshore installation or a shore based workplace and to provide delegates with a better knowledge and understanding of practical requirements in running an operational rigging loft. The course also culminates in a short test paper on lifting equipment inspection.

PRE-REQUISITS

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Plan work
- Lifting equipment inspection procedures
- In-service wear, corrosion, abrasion etc.
- Discard criteria, quarantine areas in Rigging Loft
- Inspection of lifting equipment and critical areas for inspection
- Following company procedures
- Portable lifting equipment examination/inspection procedures
- Equipment register & control documents

COURSE CONTENT

- Health & safety legislation
- Introduction to rigging loft operations
- Procedural operation of a rigging loft and the inspection of lifting equipment and accessories
- Procedure for the control of quarantined equipment
- Recording and registration of lifting equipment Familiarisation with the various lifting equipment usually found in a Rigging Loft, the way the equipment must be stored and issued
- Inspections that must be carried out before the equipment is used, and how the equipment must be inspected and returned to the Rigging Loft after use
- Various examples of equipment damaged through incorrect usage are shown and discussed
- Inspection of wire rope and webbing slings
- Handout material covers example inspection forms and certificates for all equipment generally found in a Rigging Loft

CERTIFICATION

A Certificate of Assessment will issued by the Australasian Training Company.



AUSTRALIAN NATIONALLY RECOGNISED COURSES

As the Australasian Training Company is primarily based in Perth, Western Australia, we can deliver training and assessment services anywhere on client's premises and work sites. Our Training Coordinators and administration staff have experience with high volume and ad-hoc training/VOC requests as part of shutdowns and project ramp-ups. We can mobilise competent and compliant trainer and assessors to your site on your demand.

ATC have strategic RTO partnerships to provide Statement of Attainments for all our Nationally Recognised Units of competency.

Outsourcing onsite training is the most economical solution, providing flexibility and customised options based around your rosters and shifts, specific equipment and project requirements.



OUR AUSTRALIAN (RTO) REGISTERED TRAINING ORGANISATION STRATEGIC PARTNERS



National Provider Number: 52289
www.futuroskills.com



National Provider Number: 51807
www.trainwest.com.au



National Provider Number: 50848
www.aitp.com.au





LICENCE TO OPERATE A BRIDGE OR GANTRY CRANE – TLILIC3001A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a bridge or gantry crane with either a control cabin or more than three powered operations which is supported on runways along which the crane may travel, for licensing purposes.

This course requires the operator to plan the work, conduct routine checks, transfer loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slings operations, and have logged hours in crane operation.

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Transfer load
- Mobile load
- Shut down and secure crane

COURSE CONTENT

- Operate a bridge or gantry crane
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data,
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Bridge or gantry crane characteristics and capabilities
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A BOOM TYPE-TYPE ELEVATING WORK PLATFORM- TLILIC2005A (BOOM LENGTH 11 METRES OR MORE)

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a boom-type elevating work platform (boom length 11 metres or more) for licensing purposes, and involves the operation of a telescoping device, hinged device, or articulated device or any combination of these used to support a platform on which personnel, equipment and materials may be elevated to perform work.

This course requires the operator to plan the work, conduct routine checks, set up elevating work platform, operate elevating work platform and shut down and secure elevating work platform. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

There are no pre-requisites for this course

DURATION

2 Days or 1 Day for experienced operators

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Set up elevating work platform
- Operate elevating work platform
- Shut down and secure elevating work platform

COURSE CONTENT

- Operate mobile elevating work platform using best mobile practice
- Use communication skills at a level sufficient to communicate with other site personnel
- Operate and control an elevating work platform including all functions to their maximum extension within the safe working (rated) capacity
- Apply risk assessment and hazard control strategies
- Use and interpret manufacturer's specifications and data
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice
- Ability to read and comprehend manufacturer's instructions, procedures and safety signs
- Emergency procedures and safety equipment
- Understanding of organisational and workplace standards, requirements, policies and procedures
- Understanding of the hierarchy of hazard identification and control
- Procedures for the recording, reporting and maintenance of workplace records and information
- Typical routine problems encountered in the operation with equipment and ability for correction
- Accurately record and maintain information relating to elevating work platform operations

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.



LICENCE TO PERFORM DOGGING – CPCCLDG3001A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to perform slinging techniques, including the selection and inspection of lifting gear and/or the directing of the crane operator in the movement of the load when the load is out of view of the crane/ operator for licensing purposes.

This course covers the scope of work to demonstrate competency in the application of slinging techniques, selection and inspection of lifting gear and/or the directing of the crane/ operator in the movement of the load.

This course is based upon the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan job
- Select and inspect equipment
- Prepare site and equipment
- Perform task
- Shut down job and clean up

COURSE CONTENT

- Communication techniques in the workplace including whistles, hand signals and use of fixed channel two-way radios
- Calculate rated capacity of lifting equipment
- Ability to interpret rated capacity and working load limit tags
- Hazard identification and control
- Slinging techniques
- Selection and inspection of lifting equipment
- Directing crane operators in the moving of loads in a safe manner, using a slewing crane
- Inspection and care of a wide range of lifting equipment to appropriate Australian Standards and/or manufacturer's specifications.
- Appropriate mathematical procedures for estimation and measurement of loads
- Basic knowledge of types of cranes and their functions
- WHS legislation, standards and codes of practice relevant to the full range of techniques for undertaking dogging activities
- Load stability and safety factors in line with manufacturer's specifications
- Understanding of the hierarchy of control

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.



LICENCE TO OPERATE A DERRICK CRANE – TLILIC3004A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a derrick crane, a powered slewing strut-boom crane with its boom pivoted at the base of the mast which can be either guyed (guy derrick) or held by backstays (stiff-leg derrick) and is capable of luffing under load, for licensing purposes.

This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan and prepare for lifting operations
- Understand crane capacities and limitations
- Perform daily pre operational checks
- Read and Interpret manuals, range diagrams and load charts
- Confirm load weights and interpret lifting signals from dogman
- Operate crane in a smooth and competent manner
- Transfer loads
- Conduct maintenance and identify faults
- Understand all procedures with lifting of loads in the workplace
- Shutdown crane and secure crane



COURSE CONTENT

- Operate a derrick crane
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data,
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Derrick crane characteristics and capabilities
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits
- Typical routine problems encountered in the operation of the crane and adjustments required

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A FORKLIFT TRUCK – TLILIC2001A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required for the operation of a powered industrial truck equipped with a mast and an elevating load carriage to which is attached a pair of fork arms or other attachment, for licensing purposes. This definition also includes a truck on which the operator is raised with the attachment for order-picking.

This course is based on the National Standard for Licensing Persons Performing High Risk Work

PRE-REQUISITIES

There are no pre-requisites for this course

DURATION

2 Days or 1 Day for experienced operators

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Shift load
- Shut down and secure forklift truck



COURSE CONTENT

- Accurately interpret information relating to conducting forklift truck operations (e.g. procedures)
- Safely conduct forklift truck operations including all functions to the maximum height and load capacity
- Identify hazards associated with the operation of the forklift truck, assess risks and put into place effective hazard prevention/control measures for those hazards identified
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Methodology of determining the weight of a load
- WHS legislation, standards relevant to the safe operation for the forklift trucks
- Understanding of forklift characteristics and capabilities (including use of load data plates)
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Procedures for the recording, reporting and maintenance of workplace records and information
- Forklift truck operations and safe operating techniques
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A NON-SLEWING MOBILE CRANE – TLILIC3006A (GREATER THAN 3 TONNES CAPACITY)

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a mobile crane of greater than 3 tonnes capacity that incorporates a boom or jib which includes articulated type mobile cranes and locomotive cranes, but does not include vehicle tow trucks, for licensing purposes.

This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads, mobile loads, and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITES

It is recommended that candidates are trained and competent in Rigging and Slings operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Setup Crane
- Transfer load
- Shut down and secure crane

COURSE CONTENT

- Assessment of ground conditions to confirm that the site is suitable (e.g. firm, level and safe) to operate crane
- Operate crane including all functions to their maximum extension in the lifting and moving of loads to the safe working rated capacity in conjunction with other associated personnel
- Mobile loads using best mobile practice
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- WHS legislation, standards and codes of practice relevant to the range of processes for the crane class
- Ability to read and comprehend manufacturer's instructions, procedures and safety signs
- Understanding of crane characteristics and capabilities (including use of load charts) to allow the configuration of the crane to suit the range of loads
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Procedures for the recording, reporting and maintenance of workplace records and information



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A MOBILE SLEWING CRANE UP TO 20 TONNES – TLILIC3008A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a slewing mobile crane (up to 20 tonnes) for licensing purposes. It encompasses the requirement for non-slewing mobile crane licence and the vehicle loading crane licence.

This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads, mobile loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Set up crane
- Transfer load
- Mobile Load
- Shut down and secure crane

COURSE CONTENT

- Operate a slewing mobile crane (up to 20t capacity) for the lifting and moving of loads to the safe working rated capacity in conjunction with other associated personnel
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane
- Mobile slewing crane characteristics and capabilities to allow the configuration of the crane to suit the range of loads
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered with equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A MOBILE SLEWING CRANE UP TO 60 TONNES – TLILIC4009A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a slewing mobile crane (up to 20 tonnes) for licensing purposes. It encompasses the requirement for non-slewing mobile crane licence and the vehicle loading crane licence.

This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads, mobile loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Set up crane
- Transfer load
- Mobile Load
- Shut down and secure crane

COURSE CONTENT

- Operate a slewing mobile crane (up to 20t capacity) for the lifting and moving of loads to the safe working rated capacity in conjunction with other associated personnel
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane
- Mobile slewing crane characteristics and capabilities to allow the configuration of the crane to suit the range of loads
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered with equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A MOBILE SLEWING CRANE UP TO 100 TONNES – TLILIC4010A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a slewing mobile crane (up to 100 tonnes) for licensing purposes. It encompasses the requirement for the up to 60 tonnes licence.

This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads, mobile loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Set up crane
- Transfer load
- Mobile load
- Shut down and secure crane

COURSE OUTLINE

- Operate a slewing mobile crane (61t up to 100t capacity) for the lifting and moving of loads to the safe working rated capacity in conjunction with other
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane class
- Mobile slewing crane characteristics and capabilities to allow the configuration of the crane to suit the range of loads
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered with equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENSE TO OPERATE A MOBILE SLEWING CRANE OVER 100 TONNES – TLILIC4011A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a slewing mobile crane (over 100 tonnes) for licensing purposes. It encompasses the requirement for the up to 100 tonnes licence. This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads, mobile loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slings operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Set up crane
- Transfer loads
- Mobile load
- Shut down and secure crane

COURSE CONTENT

- Operate a slewing mobile crane (over 100 tonnes capacity) for the lifting and moving of loads to the safe working rated capacity in conjunction with other associated personnel
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the load
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane
- Mobile slewing crane characteristics and capabilities to allow the configuration of the crane to suit the range of loads
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered with equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A PORTAL BOOM CRANE – TLILIC3007A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a portal boom crane mounted on a portal frame, which is supported on runways along which the crane may travel, for licensing purposes.

This course requires the operator to plan the work, conduct routine checks, transfer loads, mobile load and shut down and secure the crane.

This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITES

It is recommended that candidates are trained and competent in Rigging and Slings operations, and have logged hours in crane operation.

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Transfer load
- Mobile load
- Shut down and secure crane

COURSE CONTENT

- Operate a portal boom crane
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data,
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Portal boom crane characteristics and capabilities
- Rail and Track Systems, Inspections and emergency stopping procedures
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A TOWER CRANE – CPCCLTC4001A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a tower crane for licensing purposes, and covers a jib or boom/job crane mounted on a tower structure, demountable or permanent, including both horizontal and luffing jib types. This does not cover self-erecting tower cranes.

This course requires the operator to plan the work, conduct routine checks, transfer loads and shut down and secure the crane. This unit requires the operator to plan the work, conduct routine checks, transfer loads and shut down and secure the crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Transfer loads
- Shut down and secure crane

COURSE CONTENT

- Operation of a tower crane for the lifting and moving of loads
- Risk assessment and hazard control strategies
- Use and interpretation of crane manufacturer's specifications and data
- Verifying problems and equipment faults and demonstrating appropriate response procedures
- Ability to read and comprehend manufacturer's instructions, procedures and safety signs
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Understanding of the hierarchy of hazard identification and control
- Procedures for the recording, reporting and maintenance of workplace records and information
- Tower crane characteristics and capabilities to allow the operation of the crane to the range of loads
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction.



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A SELF ERECTING TOWER CRANE – CPCCLTC4002A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to perform slinging techniques, including the selection and inspection of lifting gear and/or the directing of the crane operator in the movement of the load when the load is out of view of the crane/ operator for licensing purposes.

This course covers the scope of work to demonstrate competency in the application of slinging techniques, selection and inspection of lifting gear and/or the directing of the crane/ operator in the movement of the load. This course is based upon the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Setup Crane
- Conduct routine checks
- Transfer loads
- Shut Down secure crane



COURSE CONTENT

- Operation of a self-erecting tower crane for the lifting of loads
- Risk assessment and hazard control strategies
- Use and interpretation of crane manufacturer's specifications and data, including load charts and ballast, to enable the crane to be configured for the load
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Ability to be able to read and comprehend manufacturer's instructions, procedures and safety signs
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice relevant to the full range of processes for the crane
- Organisational and workplace standards, requirements, policies and procedures for conducting operations for the crane class
- Understanding of the hierarchy of hazard identification and control
- Procedures for the recording, reporting and maintenance of workplace records and information
- Self-erecting tower crane characteristics and capabilities to allow the operation of the crane to suit the range of loads
- Rated capacity and working load limits (including use of crane load charts)
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

LICENCE TO OPERATE A VEHICLE LOADING CRANE – TLILIC0012A (CAPACITY 10 METRE TONNES AND ABOVE)

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a vehicle loading crane with a capacity of 10 metre tonnes or more, mounted on a vehicle for the principle purpose of loading and unloading such a vehicle, including the application of load estimation and slinging techniques to move a load, for licensing purposes. This course requires the operator to plan the work, conduct routine checks, set up crane, transfer loads and shut down and secure crane. This course is based on the requirements of the National Standard for Licensing Persons Performing High Risk Work.

PRE-REQUISITIES

It is recommended that candidates are trained and competent in Rigging and Slinging operations, and have logged hours in crane operation.

DURATION

5 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Conduct routine checks
- Setup Crane
- Transfer load
- Shut down and secure crane

COURSE OUTLINE

- Operate a vehicle loading crane
- Apply risk assessment and hazard control strategies
- WHS legislation, standards and codes of practice
- Use and interpret crane manufacturer's specifications and data
- Use of lifting equipment and basic slinging techniques suitable for the loads to be loaded/unloaded as defined by workplace procedures
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation of loads
- Assessment of ground conditions
- Awareness of the boom/jib movements
- Use of lifting equipment and basic slinging techniques suitable for the loads to be loaded/unloaded as defined by workplace procedures
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Procedures for the recording, reporting and maintenance of workplace records and information
- Typical routine problems encountered with equipment and adjustments required for correction
- Crane characteristics and capabilities



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

CONDUCT LOCAL RISK CONTROL- RIIRIS201D

AIMS AND OUTCOMES

This competency unit addresses the need to provide participants with the knowledge and skills to be able to conduct local risk control within their work environment and is structured for those entering into entry level operational roles on a worksite.

PRE-REQUISITIES

There are no pre-requisites for this course

DURATION

4 Hours

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Conduct Risk and Hazard Assessment
- Understand HAZCHEM markings
- Understand Prevailing Legislation and Applicable Standards
- Understand working with company procedures

COURSE CONTENT

- Locates and applies relevant documentation, policies and procedures
- Complying with site and equipment safety requirements
- Inspect work area and identify potential hazards
- Apply existing procedures to deal with recognised hazards
- Assess and determine consequence if an event should occur
- Consider and determine the likelihood of an event
- Identify criteria for acceptable/unacceptable risk or source advice
- Identify and consider risk treatment options
- Select the most appropriate action for dealing with the situation
- Communicate information on the course of action chosen and implementation
- Complete required records and reports as specified by legislation and site requirements
- Complying with site isolation and site control responsibilities and authorities
- Theoretical and Practical Assessment



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

ENTER AND WORK IN CONFINED SPACES – RIIWHS202D

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to enter and work in confined spaces and is appropriate for those working in operational roles undertaking work in confined spaces and includes both theory and practical components, with participants undertaking practical exercises to ensure familiarity with procedures, equipment and safety systems.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Plan and prepare for working in confined space
- Work in confined space
- Exit confined space
- Clean up

COURSE CONTENT

- Locates and applies relevant documentation, policies and procedures
- Demonstrates completion of entering and working in confined spaces
- Obtain appropriate entry permit and instructions for performing work in confined space
- Interpreting and applying safe work method statements
- Tagging and lock out
- Selecting, wearing and caring for personal protective equipment applicable to all tasks and environment identified
- Using atmospheric monitoring devices
- Working in the confined space
- Applying safe materials handling methods
- Identifying areas that constitute confined spaces
- Complying with site and equipment safety requirements
- Complying with the entry and exit procedures, risks and regulations
- Types of air contaminants and toxic gases
- Identifying the limitations of breathing apparatus
- Identifying equipment types, characteristics, technical capabilities and limitations
- Complying with site isolation and site control responsibilities and authorities
- Theoretical and Practical Assessments



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

GAS TEST ATMOSPHERES- MSAPMOHS217A

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required in relation to the testing of the working atmosphere to determine if it is safe for the proposed work. Testing involves the use of electronic test apparatus.

In a typical scenario an individual may be required to carry out gas testing of an atmosphere prior to entering a specific area or workspace. This course trains personnel in the interpretation of readings and the taking of related actions based on the readings.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Prepare for gas testing
- Test gas
- Maintain equipment
- Correctly store equipment

COURSE CONTENT

- Read and interpret a meter and then communicate the conclusions.
- Interpretation and communication of results of sampling.
- Common chemical asphyxiates, including hydrocarbons, carbon dioxide, carbon monoxide, hydrogen cyanide, and hydrogen sulphide
- Common irritants and corrosives, including chlorine, ammonia and acid bases
- Common flammable gases, including acetylene, petroleum, methane, ethane, propane and butane
- Narcotics (explosive range, upper and lower explosive limits)
- Exposure standards (time weighted average, short term exposure limits, peak limitation values, examination of toxic effect at the level of a range of flammable gases)
- Conditions under which atmospheres become hazardous
- Units of measurement used to express concentration of atmospheric contaminants (mg/cubic m. ppm, % v/v).
- Theoretical and Practical Assessments



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

HYDRAULIC EXCAVATOR OPERATIONS- RIIMPO301D

AIMS AND OUTCOMES

This course is designed to cover conducting hydraulic excavator operations. They include planning and preparing for operations, operating the excavator and carrying out post-operational procedures.

The course includes both theory and practical components, with participants undertaking practical exercises to ensure familiarity with procedures, equipment and safety systems.

PRE-REQUISITES

Minimum of 18 years of age

DURATION

1 Day

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Read and write English to a basic level
- Identify work requirements
- Perform Inspections
- Identify work procedures and instructions
- Operate equipment in a safe manner
- Have the necessary health and fitness to carry out the work safely
- Clean up work area

COURSE CONTENT

- Introduction and Legislation
- OHS Regulations and Act
- Inspection of equipment
- Plan & prepare operations
- Inspect & prepare work area
- Inspect, use and maintain equipment & attachments
- Pre start checks
- Operating techniques
- Machine limitations
- Fitting and inspection of attachments
- Response to hazards and emergency situations
- Operational maintenance
- Comply with safe work methods
- Locate and apply relevant documentation, policies and procedures
- Theoretical and Practical Assessments

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.



ISSUE WORK PERMITS- MSAPMPER300C

AIMS AND OUTCOMES

This competency unit addresses the need for personnel who issue work permits to understand the permit system, know the limitations of each permit and make decisions regarding the need for and correct use of each permit. This competency unit includes the issue of any and all permits. It applies to the issuing of permits covering a single plant or plant area such as might be an operators scope of responsibility.

PRE-REQUISITIES

RIIRIS201D- Conduct Local Risk Control

DURATION

4 Hours

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Understand Prevailing Legislation and Applicable Standards
- Understand HAZCHEM markings
- Plan and prepare for permit issue
- Conduct Risk and Hazard Assessment
- Validate the Permit
- Monitor Permit Adherence
- Close out Permit

COURSE CONTENT

- Locates and applies relevant documentation, policies and procedures
- Obtain appropriate permits and instructions for performing work in the workplace
- Interpreting and applying safe work method statements
- Familiarising with Rescue Plans
- Working in conjunction with other Live Permits
- Identify the correct Permit/s Required for task/s
- Tagging, lock out and isolation responsibilities
- Identify the personal protective equipment applicable to all tasks and for use in specific environment identified
- Identifying areas that constitute confined spaces
- Complying with site and equipment safety requirements
- Complying with site isolation and site control responsibilities and authorities
- Theoretical and Practical Assessments

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.



LOAD RESTRAINT AND SECURE CARGO - TLIA1001A & TLID2004A

AIMS AND OUTCOMES

This course is designed for drivers and persons involved in and responsible for the safe loading of vehicles and the restraint of those loads. The course includes both theory and practical components and will provide participants with the basic understanding of the guidelines and performance standards for the safe cartage of goods and cargo on road vehicles.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Identify work requirements
- Identify work procedures and instructions
- Perform Inspections
- Operate equipment in a safe manner
- Read and write English to a basic level



COURSE CONTENT

- Load Restraint Guide
- Forces which cause movement
- Tie down and direct systems of restraint
- Load distribution
- Load limitations
- Load securing equipment
- Occupational health and safety requirements
- Performance standards
- Minimum restraint requirements
- Dangerous Goods requirements
- Loading general freight
- Oversize loads
- Locate and apply relevant documentation, policies and procedures
- Theoretical and Practical Assessments



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

OFFSHORE CRANE OPERATOR- PMASUP305

AIMS AND OUTCOMES

This course is designed to ensure that participants with the necessary skills and knowledge to operate an offshore crane safely and efficiently. An offshore crane may include various crane classes temporarily or permanently mounted to a vessel, FPSO, MODU, fixed platforms, dive vessels, FSU's and barges or similar.

The offshore crane operator training course is based on competencies within the Australian Qualification Framework (AQF); Legislation in the Workplace - AS 2550.1 Safe use of Cranes; NORSOK Standard R-003 - Safe use of lifting equipment; Offshore Petroleum Act 2006; IMCA Standards and Guidance notes

This training is recommended by the National Offshore Petroleum Safety Environment Management Authority (NOPSEMA) in the Australian offshore petroleum environment.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

5 Days or 3 Days for experienced operators (RPL) or Refresher

MAXIMUM PARTICIPANTS

6 Persons

PERFORMANCE CRITERIA

- Input data and use of Load Safety Indicator Functions
- Interpretation of Crane Capacity Charts and Manuals
- Identify sea state and adverse weather conditions
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts

COURSE CONTENT

- Adherence to statutory and regulatory authority requirements and company procedures
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of loads
- Apply risk assessment and hazard control strategies
- Locate and apply relevant documentation, policies and procedures
- Establish and maintain communications with bridge, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical and final practical assessment is to be conducted with an offshore crane or simulator



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

OVERHEAD OR GANTRY CRANE- RIIHAN305D

AIMS AND OUTCOMES

This course is designed to ensure that participants have the skills and knowledge required to operate a gantry or overhead crane and is appropriate for those working in operational roles undertaking work with and around overhead cranes in the workplace and includes both theory and practical components, with participants undertaking practical exercises to ensure familiarity with procedures, equipment and safety systems.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan and prepare for conducting lifting operations
- Understand crane capacities and limitations
- Read and Interpret manuals, range diagrams and load charts
- Confirm load weights and interpret lifting signals from dogman
- Operate crane in a smooth and competent manner
- Transfer loads
- Perform daily pre operational checks
- Conduct maintenance and identify faults
- Understand all procedures with lifting of loads in the workplace
- Shutdown crane and clean up

COURSE CONTENT

- Locates and applies relevant documentation, policies and procedures
- Apply risk assessment and hazard control strategies
- Use and interpret crane manufacturer's specifications and data,
- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation of loads
- WHS legislation, standards and codes of practice
- Understanding of the hierarchy of hazard identification and control
- Organisational and workplace standards, requirements, policies and procedures
- Overhead or Gantry crane characteristics and capabilities
- Procedures for the recording, reporting and maintenance of workplace records and information
- Rated capacity and working load limits
- Typical routine problems encountered in the operation of the crane and equipment and adjustments required for correction
- Theoretical and Practical Assessments

CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.



TELESCOPIC MATERIALS HANDLER- RIIHAN309D

AIMS AND OUTCOMES

This course is designed to impart a participant's skills and knowledge required to conduct telescopic materials handler operations in the Resources and Infrastructure Industries. They include planning and preparing for operations, selecting the correct attachment/s, operating the telescopic materials handler and carrying out post-operational procedures.

The course includes both theory and practical components, with participants undertaking practical exercises to ensure familiarity with procedures, equipment and safety systems. Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Identify work requirements
- Identify work procedures and instructions
- Perform Inspections
- Operate equipment in a safe manner
- Read and write English to a basic level
- Clean up work area

COURSE CONTENT

- Introduction
- Relevant Australian Standards, Legislation and Regulations
- Workplace Health & Safety including codes of practise
- Work requirements, safety information and procedures and Identification of site hazards
- Conduct machine pre-operational checks
- Demonstrate and interpret signals
- Interpret load charts and machine limitations
- Operation of telescopic handler
- Selection, removal and correct fitting of attachments
- Operator maintenance responsibilities
- Shutdown of machine
- Post operational checks
- Conduct maintenance of machine, equipment and/or attachments
- Theoretical and Practical Assessments



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

WORKING SAFELY AT HEIGHTS- RIIWHS204D

AIMS AND OUTCOMES

This course is designed to ensure that participants understand the requirements and procedures that are governed by legislation and to ensure that they and everybody that may be affected by working at heights operations are not subjected to an unacceptable level of risk.

The course includes both theory and practical components, with participants undertaking practical exercises to ensure familiarity with procedures, equipment and safety systems.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Identify work requirements
- Identify work procedures and instructions
- Access and install equipment
- Perform work at heights
- Clean up work area

COURSE CONTENT

- Interpret and apply technical and safety information for working at heights
- Assess hazards and risk associated with working at heights and implement control methods
- Select wear and care for personal protective equipment
- Identify required safety systems including fall protection and associated equipment
- Check that fitting, adjusting and anchoring of fall protection and associated equipment is correct
- Perform work safely at heights
- Safe shifting and handling of tools and materials
- Adhere to statutory and regulatory authority requirements
- Comply with heights safety systems
- Comply with safe work methods
- Locate and apply relevant documentation, policies and procedures



CERTIFICATION

A Statement of Attainment and Notice of Assessment will be issued by TRAINWEST RTO #51807 upon successful completion in accordance with our RTO partnership agreement.

RIGGING LOFT MANAGEMENT

AIMS AND OUTCOMES

This course is aimed at personnel responsible for the issuing and control of lifting equipment from a Rigging Loft on-board an offshore installation or a shore based workplace and to provide delegates with a better knowledge and understanding of practical requirements in running an operational rigging loft. The course also culminates in a short test paper on lifting equipment inspection.

PRE-REQUISITS

There are no pre-requisites for this course

DURATION

1 Day

MAXIMUM PARTICIPANTS

10 Persons

PERFORMANCE CRITERIA

- Plan work
- Lifting equipment inspection procedures
- In-service wear, corrosion, abrasion etc.
- Discard criteria, quarantine areas in Rigging Loft
- Inspection of lifting equipment and critical areas for inspection
- Following company procedures
- Portable lifting equipment examination/inspection procedures
- Equipment register & control documents



COURSE CONTENT

- Health & safety legislation
- Introduction to rigging loft operations
- Procedural operation of a rigging loft and the inspection of lifting equipment and accessories
- Procedure for the control of quarantined equipment
- Recording and registration of lifting equipment Familiarisation with the various lifting equipment usually found in a Rigging Loft, the way the equipment must be stored and issued
- Inspections that must be carried out before the equipment is used, and how the equipment must be inspected and returned to the Rigging Loft after use
- Various examples of equipment damaged through incorrect usage are shown and discussed
- Inspection of wire rope and webbing slings
- Handout material covers example inspection forms and certificates for all equipment generally found in a Rigging Loft
-

CERTIFICATION

A Certificate of Assessment will issued by the Australasian Training Company

BRITISH STANDARD COURSES

AIMS AND OUTCOMES

The Australasian Training Company (ATC) holds international membership and is a recognised training provider by IMCA (International Marine Contractors Association) and LEEA (Lifting Equipment Engineers Association).

All our British training courses comply and reference British Standards and legislation including but not limited to; BS7121 Part 11 Offshore Cranes, LOLER Regulations 1998, PUWER 1998 and the UK Health and safety at work etc. Act.

As Offshore Crane and Rigging Professionals, the Australasian Training Company strives to deliver offshore crane operator and rigging training and certification to the highest standards.



The Australasian Training Company can mobilise our trainers and assessors anywhere in the world to deliver internationally recognized training, verification of competency and other skills assessments.

Onsite training is a flexible and cost/time effective solution as we work around your production schedules with minimal downtime. There is a reduced risk of your employees not 'showing-up' to the training courses and training/assessment can be undertaken whilst work is being performed.

We can customize and modify training and assessment to meet your company and operational policies, procedures, standards and any specific equipment requirements.

Our trainer/assessors and support team can undertake training needs analysis (TNA), consulting, supervisions and development of skills training, community based education programs, commissioning and shut downs, competency management and assurance and career pathways.



OFFSHORE CRANE OPERATOR STAGE 1 - BS7121 PART 11

AIMS AND OUTCOMES

This course is designed to give participants with little or no crane experience the fundamentals in accordance with British Standards BS7171 Part 11 Offshore cranes. Delegates who work with and or around offshore cranes are required to complete this introduction into load slinging, rigging and crane operations in preparation for advancement to Offshore Crane Operator Stage 2 training.

The course includes both theory and practical components, with participants undertaking practical exercises including operation of offshore crane simulations and inspection of lifting gear to ensure familiarity with procedures, equipment and crane safety systems.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

3 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Interpretation of crane capacity charts and manuals
- Use of an offshore crane simulator
- Perform pre-operational and shutdown procedures
- Provide comprehensive understanding of a crane operator's responsibilities under prevailing legislation



COURSE CONTENT

- Introduction to Prevailing Health & Safety Legislation and Standards including UK Health and safety at work etc. Act, LOLER Regulations 1998, PUWER Regulations 1998 and BS7121 Part 11
- Crane and Rigging Terminology
- Principles of crane operations and stability
- Safety Devices and Safe Working Loads
- Rigging and Load weight calculations
- Introduction to Wire Rope inspection and construction
- Inspection and safe use of slings and rigging equipment
- Pre-operational checks and shutdown procedures
- Safe load transfer/movement principles
- Understanding Crane Capacity Charts and Manuals
- Dynamic and wind loading factors
- Communication associated with lifting operations
- Use communication skills at a level sufficient to communicate with other offshore vessels
- Theoretical examination

CERTIFICATION

Participants may be awarded an Offshore Crane Operator Stage 1 certificate of completion allowing them to progress to the Offshore Crane Operator Stage 2 training level.

Certification is issued in accordance with BS 7121 Part 11 upon successful completion

OFFSHORE CRANE OPERATOR STAGE 2 – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 2 Offshore Crane Operator course aims to give participants the knowledge required to operate an offshore crane in a safe and efficient manner. This is achieved using a bank of scenarios on the offshore crane simulator or by utilising an offshore crane to conduct deck lifts under supervision. Offshore crane operator stage 2 training should follow as soon as is practicable after Offshore Crane Operator Stage 1 training.

The course includes both theory and practical components, with participants undertaking practical exercises including operation of crane simulations to ensure familiarity with procedures, equipment and crane safety systems.

PRE-REQUISITES

Offshore Crane Operator Stage 1

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Crane pre operational checks and maintenance
- Wire rope inspection and care
- Safe rigging practices and Rigging calculations
- Offshore crane safety devices and Dynamic Factors
- Safe working loads and load safety indicators
- Conduct Deck lifts using a Crane or Use of an offshore crane simulator



COURSE CONTENT

- Prevailing Health & Safety Legislation and Standards including UK Health and safety at work etc. Act, LOLER Regulations 1998 and PUWER Regulations 1998 and BS7121 Part 11
- Understanding of crane and installation safety systems and devices
- Emergency operating procedures
- Machine awareness and safe areas for crane operation
- Ability to work with a Banksman and/or Riggers
- Radio procedures
- Pre-use checks, Inspection Routines and crane maintenance
- Operational controls ability and attitude towards safe operations
- Crane load charts and safety equipment
- Slings of loads and use of rigging gear

CERTIFICATION

Offshore Crane Operator Stage 2 certificate of assessment is issued to conduct all deck lifts and allowing progression to the Offshore Crane Operator Stage 3 training level. Certification is issued in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from issue date.

OFFSHORE CRANE OPERATOR STAGE 2 RE-ASSESSMENT – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 2 Offshore Crane Operator Re-Assessment course aims to give participants the knowledge required to continue to operate an offshore crane in a safe and efficient manner. This is achieved using a bank of scenarios on the offshore crane simulator or offshore crane by demonstrating experience with offshore deck lifts in an offshore environment.

The Stage 2 Offshore Crane Operator Re-Assessment course is used to assess the continued competence of offshore crane operators. BS 7121 Part 11 states that an offshore crane operators' competence should be re-assessed every 2 years. Use of an offshore crane simulation exercises play a part in complying with this standard.

PRE-REQUISITES

Offshore Crane Operator Stage 2

Logged hours and documented evidence of offshore deck lifts

DURATION

1 Day

MAXIMUM PARTICIPANTS

6 Persons

PERFORMANCE CRITERIA

- Plan work
- Crane pre operational checks and maintenance
- Wire rope inspection and care
- Safe rigging practices and Rigging calculations
- Offshore crane safety devices and Dynamic Factors
- Safe working loads and load safety indicators
- Conduct Deck lifts using a Crane or Use of an offshore crane simulator



COURSE CONTENT

- Review of prevailing legislation, regulations and standards
- Understanding of crane and installation safety systems and devices
- Emergency operating procedures
- Machine awareness and safe areas for crane operation
- Ability to work with a Banksman and/or Riggers
- Radio procedures
- Pre-use checks, Inspection Routines and crane maintenance
- Operational controls ability and attitude towards safe operations
- Crane load charts and safety equipment

CERTIFICATION

Offshore Crane Operator Stage 2 certificate of re-assessment is issued to conduct all deck lifts.

Certification is issued in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue.

OFFSHORE CRANE OPERATOR STAGE 3 – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 3 Offshore Crane Operator Assessment is an internationally recognised and accepted assessment strategy for offshore crane operators. Candidates will be required to demonstrate knowledge, understanding and practical skills to successfully complete the assessment process and be deemed competent to work safely and effectively unsupervised. Participants will be required to operate an offshore crane unsupervised over a full range of lifting activities including vessel to vessel transfer operations. The Assessor will accompany the crane operator to the crane cab and expect the operator to give a detailed and thorough description of the crane and its workings.

The Practical assessment is to be carried out on the worksite, using an offshore-rated crane to carry out lifting operations for the purposes of assessment. This is to be provided by the candidate or their sponsor. The practical assessment is expected to take one day, but is dependent on access to the worksite and operational requirements.

PRE-REQUISITIES

Stage 2 Offshore Crane Operator and
Evidence of supervised and logged overside offshore lifts

DURATION

4 Days

MAXIMUM PARTICIPANTS

6 Persons



PERFORMANCE CRITERIA

- Plan work and provide comprehensive understanding of a crane operator's responsibilities
- Input data, use of Load Indicator Functions and Interpretation of Crane Capacity Charts and Manuals
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts
- Conduct vessel to vessel transfer of loads and use of personnel transfer equipment

COURSE CONTENT

- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of load mass
- Locate and apply relevant documentation, risk assessment and hazard control strategies
- Establish and maintain communications with all personnel, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical Assessment with a pass mark of 80% and Practical Assessment

CERTIFICATION

Offshore Crane Operator Stage 3 certificate of assessment is issued to conduct all offshore lifts in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue.

OFFSHORE CRANE OPERATOR STAGE 3 RE-ASSESSMENT – BS7121 PART 11

AIMS AND OUTCOMES

The Stage 3 Offshore Crane Operator Assessment is an internationally recognised and accepted assessment strategy for offshore crane operators. Candidates will be required to demonstrate knowledge, understanding and practical skills to successfully complete the assessment process and be deemed competent to work safely and effectively unsupervised

The Stage 3 Offshore Crane Operator Re-Assessment course is used to assess the continued competence of offshore crane operators. BS 7121 Part 11 states that an offshore crane operators' competence should be re-assessed every 2 years. The practical assessment can be conducted on a crane simulator. If the practical assessment is to be carried out on the worksite using an offshore-rated crane to carry out lifting operations, this is to be provided by the candidate or their sponsor.

PRE-REQUISITES

Stage 3 Offshore Crane Operator

Logged hours or documented evidence of overside lifts

DURATION

1 Day

MAXIMUM PARTICIPANTS

6 Persons

PERFORMANCE CRITERIA

- Plan work and provide comprehensive understanding of a crane operator's responsibilities
- Input data, use of Load Indicator Functions and Interpretation of Crane Capacity Charts and Manuals
- Perform pre-operational and shutdown procedures
- Safely control the crane during lifting operations
- Demonstrate the ability to remove load swing
- Safely conduct a series of Dynamic lifts and Blind lifts
- Conduct vessel to vessel transfer of loads and use of personnel transfer equipment

COURSE CONTENT

- Verify problems and equipment faults and demonstrate appropriate response procedures
- Appropriate mathematical procedures for estimation and measurement of load mass
- Locate and apply relevant documentation, risk assessment and hazard control strategies
- Establish and maintain communications with all personnel, vessels and rigging crews
- Use and interpret crane manufacturer's specifications and data, including load charts, to enable the crane to be configured for the correct sea-state and specific load characteristics
- Transfer of personnel between the facility and another vessel using appropriate approved equipment
- Safe management of loads during diving operations and subsea operations
- Heave compensation, passive, active and overload protection systems
- Theoretical Assessment with a pass mark of 80% and Practical Assessment

CERTIFICATION

Offshore Crane Operator Stage 3 certificate of assessment is issued to conduct all offshore lifts in accordance with BS 7121 Part 11 upon successful completion and is valid for 2 years from date of issue



AMERICAN PETROLEUM INSTITUTE - API-U COURSES

The Australasian Training Company is a Registered API-U Training Provider. Our API-U training courses comply with API Recommended Practices and Specifications 2C and AD 7th Edition and thus provide the highest quality and reputable training and certification from the American Petroleum Institute.



The Australasian Training Company can mobilise our trainers and assessors anywhere in the world to deliver internationally recognized training, verification of competency and other skills assessments.

Onsite training is a flexible and cost/time effective solution as we work around your production schedules with minimal downtime. There is a reduced risk of your employees not 'showing-up' to the training courses and training/assessment can be undertaken whilst work is being performed.

We can customize and modify training and assessment to meet your company and operational policies, procedures, standards and any specific equipment requirements.

Our trainer/assessors and support team can undertake training needs analysis (TNA), consulting, supervisions and development of skills training, community based education programs, commissioning and shut downs, competency management and assurance and career pathways.

API-U QUALIFIED OFFSHORE RIGGER – API RP 2D

AIMS AND OUTCOMES

This course will provide the skills necessary to evaluate loads, select the appropriate slings, hitch and hardware equipment for performing the lifting of loads. Personnel will learn techniques to perform daily inspections, assess rigging safety and properly communicate with other riggers and to ensure overall safety during material handling/lifting processes. Those attending this training will learn crane operating principles, lifting operational safety, load control methods, lifting equipment inspection procedures, communications, and load handling techniques.

PRE-REQUISITES

There are no pre-requisites for this course

DURATION

3 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work
- Understand compliance with prevailing legislation
- Identify proper rigging components
- Select correct rigging equipment
- Select correct hitch applications
- Inspect rigging hardware
- Use of Loose Items and use of Hardware
- Understanding Basic Rigging principles and understanding Crane Operations
- Perform basic rigging and lifting equipment calculations
- Fleet Angles and Winch systems
- Perform offshore rigging general duties- your responsibilities
- Storage of rigging equipment



COURSE CONTENT

- Give examples of the result of incorrect use of lifting components and how this can be avoided.
- Show knowledge of the regulations regarding marking, documentation, use, maintenance, daily inspection and discard criteria of lifting gear.
- Choose correct lifting equipment and show correct methods of use.
- Direct crane operations safely using radio & hand signals
- Develop and follow a lifting plan and Risk assessment
- Lift planning and risk assessment
- Slings various types of load according to size, weight, shape and centre of gravity.
- Blind Lifts
- Choosing the correct lifting equipment
- Visual check of slings and lifting accessories
- Theoretical and practical examinations

CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.

API-U QUALIFIED OFFSHORE CRANE OPERATOR - API RP 2D

AIMS AND OUTCOMES

This course will provide the skills necessary to safely operate Offshore Cranes, perform daily inspections, assess rigging safety, properly communicate with riggers and supply vessels during lifts, and to ensure overall safety during material handling/lifting processes. Those attending this training will learn crane operating principles, operational safety, load control methods, inspection procedures, communications and critical load handling. Operation of an Offshore Crane and/or Simulator will be required to complete the course.

Completion of this course will qualify the candidate for Competency Assessment under API Recommended Practise 2D 7th Edition, Offshore Crane Operator Qualification procedures.

PRE-REQUISITIES

Experience working with or around offshore crane is desirable

DURATION

4 Days

MAXIMUM PARTICIPANTS

8 Persons

PERFORMANCE CRITERIA

- Plan work and Understanding lift6 plans
- Safely Operate Offshore Cranes
- Conduct Dynamic and Blind Lifts
- Man Riding Procedures
- Perform daily inspections
- Assess rigging safety
- Communicate with riggers
- Communicate with other vessels
- Handle critical loads
- Correctly identify weather conditions



COURSE CONTENT

This course will provide the skills and knowledge necessary for the candidate to begin to function in the capacity of an offshore crane operator. Persons will be qualified to perform routine lifts, and serve in the capacity as a designated signal person (DSP) for other qualified crane operators. This training will also provide the individual with Basic Rigging knowledge and skills, but does not qualify him/her to perform rigging or to operate overhead cranes, jacks, winches, come-a-longs or other lifting devices. To successfully complete this training, the student will be expected to complete practical hands-on exercises and pass a written theoretical examination.

CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.

API-U QUALIFIED OFFSHORE PEDESTAL CRANE INSPECTOR - API RP SPEC 2C & 2D

AIMS AND OUTCOMES

The course covers the requirements for the design, testing, inspection and examination of offshore pedestal cranes and their associated components and accessories as per API Spec 2C 7th Edition 2012 and API Recommended Practice 2D 7th Edition 2014. This course should be undertaken by persons involved in the QA/QC process for pedestal crane installation (temporary or permanent), Government agencies who inspect offshore cranes and overhead cranes, third party inspection (TPI) companies and any companies who wish for competent inspection staff

PRE-REQUISITIES

Current Medical (example- OGUK) to carry out Inspections
Basic knowledge of cranes, lifting equipment
and relevant industry experience

DURATION

5 Days

MAXIMUM PARTICIPANTS

10 Persons



PERFORMANCE CRITERIA

- Understand the requirements of the applicable standards
- Be able to ascertain if the offshore pedestal crane meets the requirements set out in the standards and those of the original equipment manufacturer
- Carry out, with safety and competence, testing, inspection and examination of offshore pedestal cranes in accordance with API RP 2D and other relevant standards
- Prepare reports in accordance with API RP 2D, LOLER 1998 and client requirements

COURSE CONTENT

- Introduction into the use, frequency and Inspection of Cranes, Lifting and Hoisting Equipment
- The responsibility of a Crane Inspector
- Pre-use, monthly, quarterly and annual inspection criteria for Offshore API Spec Pedestal Cranes
- The Law, Rules and Regulations
- API 2C "Specification for Offshore Pedestal Mounted Cranes" Seventh Edition, October 2012
- API RP 2D "Operation and Maintenance of Offshore Cranes" Seventh Edition, December 2014
- Safe working practices and Identifying crane parts
- King Post cranes and Overhead cranes inspection and what to look for on an offshore installation
- Equipment and tools needed by the crane inspector
- Examination of various offshore cranes (criteria)
- Read load charts in preparation for a 4 yearly proof test as laid down in AP 2C & D
- Studying the load radius of cranes, and their safe capabilities
- Examination of the function of the load indicator and looking at all safety devices on cranes
- Wire ropes, their safety factors of wire and their construction
- Examination of wire rope and possible faults during the inspection
- Prime movers and examination of the prime mover (electrical)
- Inspection of the Prime mover (Diesel powered, including power pack) and shut down Devices
- Engine house and associated equipment, Operator's cabin and its fittings
- Winches, crane functions & Inspecting
- Examination of Boom, Main and aux hoists and associated equipment, Gantry, A-frame and fittings
- Inspection of Main and Fly (Aux) block and possible faults
- Examination of the Sheaves during inspection and their possible faults
- Slew ring and its function including inspecting of slew area, slew ring deflection test and examination of slew gear teeth
- Pedestal flanges & pedestal weld inspection, examination of bearings and electrical connectors
- All Crane rigging and reeving
- Frequency of inspection Load testing
- Completing inspection reports & final theoretical examination paper



CERTIFICATION

Students will receive an API – U certification issued by the Australasian Training Company upon course completion and passing exams. Theoretical test pass mark is set at 80%.



FRANKLIN OFFSHORE

WAKAEI MARU NO 8
SINGAPORE



