ICTQual AB

Qualification Specification

ICTQual AB Level 3 Certificate in Offshore Containers (OSC)

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ICTQual AB's

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About ICTQual AB's

ICTQual AB's Ltd. is a distinguished awarding body based in the United Kingdom, dedicated to fostering excellence in education, training, and skills development. Committed to global standards, ICTQual AB's provides internationally recognized qualifications that empower individuals and organizations to thrive in an increasingly competitive world. Their offerings span diverse industries, including technical fields, health and safety, management, and more, ensuring relevance and adaptability to modern workforce needs.

ICTQual AB's delivers high-quality educational solutions through a network of Approved Training Centres worldwide. Their robust standards and innovative teaching methodologies equip learners with practical knowledge and skills for personal and professional growth. With a mission to inspire lifelong learning and drive positive change, ICTQual AB's continuously evolves its programs to stay ahead of industry trends and technological advancements.

Course Overview

The ICTQual AB Level 3 Certificate in Offshore Containers (OSC) has been developed to address the growing need for enhanced knowledge and safe practices in the handling, inspection, and certification of offshore containers used in the oil, gas, and marine industries. This qualification reflects internationally recognised standards and operational expectations governing offshore container use, design, maintenance, and regulatory compliance. Learners undertaking this programme will develop a thorough understanding of the structural and safety aspects of offshore containers, including lifting sets, inspection intervals, documentation requirements, and best practices for transport and storage. The programme focuses on ensuring that personnel responsible for managing offshore containers possess the technical competence, regulatory awareness, and risk management skills essential for maintaining safe operations in offshore environments. This qualification supports skill enhancement and formal recognition of competence within the field of offshore container handling.

The qualification aims to:

- ✓ Equip individuals with essential knowledge and understanding of offshore container design, manufacturing, inspection, and certification in compliance with international standards.
- ✓ Promote safe handling, storage, and transportation of offshore containers and associated lifting equipment in line with best practices.
- ✓ Enhance competence in identifying structural faults, corrosion, deformation, or other hazards affecting container integrity.
- ✓ Foster adherence to inspection schedules, documentation standards, and verification procedures applicable to offshore containers.
- ✓ Develop technical awareness of materials, testing procedures, lifting equipment interaction, and environmental impacts on offshore container systems.

For Whom This Course is For:

This course is designed for individuals working in or entering roles where offshore container operations form a critical component of their responsibilities. It is particularly suitable for:

- Offshore and marine logistics personnel responsible for container handling and movement.
- Lifting supervisors, rigging personnel, and crane operators involved in offshore lifting operations.
- Safety officers and inspectors tasked with verifying offshore container compliance and fitness for use.
- Maintenance and inspection technicians engaged in the assessment and repair of offshore containers and lifting gear.
- Fabricators and engineering personnel involved in the manufacture and structural design of offshore containers.
- The qualification is ideal for those seeking to strengthen their understanding of offshore container safety and regulatory compliance in line with recognised operational standards.

Standards & Objectives

Upon successful completion of the qualification, candidates will be able to:

- Explain the definitions, types, and functions of offshore containers and their critical role in offshore operations.
- Apply relevant international standards and codes for the manufacture, marking, and periodic inspection of offshore containers.
- Assess lifting arrangements, design tolerances, and inspection criteria for offshore container structures and lifting sets.

- Demonstrate knowledge of regulatory controls, risk assessments, and operational procedures concerning offshore container safety.
- Carry out or supervise inspection and maintenance procedures in accordance with prescribed intervals and technical standards.

Certification Framework

Qualification title	**ICTQual Level 3 Certificate in Offshore Containers (OSC)**
Course ID	HSE0066
Grading Type	Pass / Fail
Competency Evaluation	Coursework / Assignments / Verifiable Experience
Assessment	The assessment and verification process for ICTQual AB's qualifications involves two key stages: **Internal Assessment and Verification:** ✓ Conducted by the staff at the Approved Training Centre (ATC) to ensure learners meet the required standards through continuous assessments. ✓ Internal Quality Assurance (IQA) is carried out by the centre's IQA staff to validate the assessment process. **External Quality Assurance:** ✓ Managed by ICTQual AB's verifiers, who periodically review the centre's assessment and IQA processes. Verifies that assessments are conducted to the required standards and ensures consistency across centres

Entry Requirements

To enroll in the ICTQual AB Level 3 Certificate in Offshore Containers (OSC), learners must meet the following requirements:

Minimum Age

- ✓ Learners must be at least 18 years old at the time of enrolment to ensure they possess the maturity and responsibility required for advanced offshore operations.

Educational Background

- ✓ There are no formal academic qualifications necessary for this course. However, learners are expected to have basic literacy and numeracy skills to comprehend technical materials, safety procedures, and operational documentation.

Experience

- ✓ It is strongly recommended that learners have successfully completed the ICTQual AB Level 2 Award in Offshore Containers or possess equivalent industry experience in offshore container handling. A sound understanding of offshore operational requirements, container inspection, and handling procedures is essential for success in this advanced-level certification.

Qualification Structure

This qualification comprises 3 mandatory units and 3 optional units. Candidates must successfully complete all mandatory units to achieve the qualification.

Mandatory Units	
Unit Ref#	**Unit Title**
HSE0066-01	Advanced Design Specifications and Engineering Features of Offshore Containers
HSE0066-02	Detailed Regulatory Compliance and Industry Best Practices
HSE0066-03	Comprehensive Inspection, Testing, and Maintenance Procedures
Optional Units	
HSE0066-04	Advanced Load Planning, Handling Strategies, and Cargo Securing Methods
HSE0066-05	Incident Prevention, Emergency Response, and Accident Investigation in Offshore Container Operations
HSE0066-06	Operational Management, Supervision, and Effective Communication in Offshore Logistics

Centre Requirements

To ensure quality training delivery, centres must adhere to the following standards:

1. Centre Approval

- ✓ Centres must be formally approved by ICTQual AB's before delivering this qualification.
- ✓ Approval involves a review of facilities, policies, and staff qualifications.

2. Qualified Staff

- ✓ **Tutors:** Must hold a relevant qualification in offshore lifting operations, mechanical engineering, or safety inspection, preferably at Level 4 or above.
- ✓ **Assessors:** Must hold a recognized assessor qualification (e.g., CAVA, AVRA) or equivalent)
- ✓ **Internal Quality Assurers (IQAs):** Must be appropriately qualified and experienced to oversee assessment standards.

3. Learning Facilities

Centre must offer:

- ✓ Private study areas and internet-enabled workspaces (for blended or physical delivery)
- ✓ Academic and pastoral support for learners
- ✓ Administrative support must be available to manage enrolment, tracking, and learner queries efficiently

4. Health and Safety Compliance

- ✓ All training facilities must comply with health and safety regulations.
- ✓ Centres must conduct regular risk assessments for practical activities.

5. Learning Resources

- ✓ **Course Materials:** Approved textbooks, study guides, and digital content must align with the qualification standards.
- ✓ **Assessment Tools:** Templates and guidelines must be provided to ensure standardized evaluation processes.
- ✓ **E-Learning Support:** Centres offering online or blended learning must implement an effective Learning Management System (LMS).

6. Assessment and Quality Assurance

- ✓ Centres must ensure assessments meet ICTQual AB's competency standards.
- ✓ Internal quality assurance (IQA) must be conducted to maintain consistency.
- ✓ External verifiers from ICTQual AB's will review assessment and training practices.

7. Learning Resources and Infrastructure

The centre must provide learners with access to adequate academic resources, including:

- ✓ Virtual Learning Environment (VLE) or Learning Management System (LMS)
- ✓ Engineering and safety case studies, simulation tools, and software.
- ✓ Access to digital libraries, e-books, and relevant professional standards (ISO, OSHA, HSE, etc.)

8. Policies and Compliance

Centres must uphold the following policies in accordance with ICTQual AB's standards:

- ✓ Equality, Diversity, and Inclusion Policy.
- ✓ Health and Safety Policy.
- ✓ Safeguarding and Learner Protection Policy.
- ✓ Complaints and Appeals Procedure.
- ✓ Data Protection and Confidentiality Policy.

9. Reporting Requirements

- Centres must provide ICTQual AB's with regular reports on learner registrations, progress, and certification outcomes.
- Assessment records must be maintained for external auditing and quality assurance purposes.

Support for Candidates

Centres should ensure that materials developed to support candidates:

- ✓ Facilitate tracking of achievements as candidate's progress through the learning outcomes and assessment criteria.
- ✓ Include information on how and where ICTQual AB's policies and procedures can be accessed.
- ✓ Provide mechanisms for Internal and External Quality Assurance staff to verify and authenticate evidence effectively.

This approach ensures transparency, supports candidates' learning journeys, and upholds quality assurance standards.

Assessment

This qualification is competence-based, requiring candidates to demonstrate proficiency as defined in the qualification units. The assessment evaluates the candidate's skills, knowledge, and understanding against the set standards. Key details include:

1. **Assessment Process:**

   - ✓ Must be conducted by an experienced and qualified assessor.
   - ✓ Candidates compile a portfolio of evidence that satisfies all learning outcomes and assessment criteria for each unit.

2. **Types of Evidence:**

   - ✓ Observation reports by the assessor.
   - ✓ Assignments, projects, or reports.
   - ✓ Professional discussions.
   - ✓ Witness testimonies.
   - ✓ Candidate-produced work.
   - ✓ Worksheets.
   - ✓ Records of oral and written questioning.
   - ✓ Recognition of Prior Learning (RPL).

3. **Learning Outcomes and Assessment Criteria:**

   - ✓ **Learning Outcomes:** Define what candidates should know, understand, or accomplish upon completing the unit.
   - ✓ **Assessment Criteria:** Detail the standards candidates must meet to demonstrate that the learning outcomes have been achieved.

This framework ensures rigorous and consistent evaluation of candidates' competence in line with the qualification's objectives.

Unit Descriptors

HSE0066-01- Advanced Design Specifications and Engineering Features of Offshore Containers

This unit covers the technical design and engineering features that make offshore containers safe and suitable for harsh offshore environments. Learners will explore how offshore containers are built, the materials used, and the design standards that must be followed. It includes understanding structural integrity, corner fittings, weld quality, and how design protects the container during lifting, transport, and storage. The unit also looks at different types of offshore containers and how their design fits specific offshore tasks. Learners will gain knowledge on how good design prevents damage and supports safety in offshore operations.

Learning Outcome:	Assessment Criteria:
1. Understand the technical design specifications and structural features of offshore containers	1.1 Describe the structural components that contribute to offshore container strength and integrity. 1.2 Explain the function of design elements such as corner castings, pad eyes, and lifting points. 1.3 Outline the materials and welding techniques commonly used in offshore container construction.
2. Identify engineering requirements to ensure container durability and safety in offshore environments	2.1 Identify the environmental and operational factors considered in offshore container engineering. 2.2 Explain the role of design tolerances and stress distribution in maintaining container safety. 2.3 Describe how engineering specifications mitigate corrosion, impact, and fatigue. 2.4 Assess the importance of certification and verification in ensuring engineering compliance.
3 Evaluate container design in relation to operational performance and industry demands	3.1 Analyse how specific design features support offshore operational needs and challenges. 3.2 Compare the suitability of various container types for different offshore tasks. 3.3 Evaluate the impact of poor design on container handling, stacking, and longevity.

HSE0066-02- Detailed Regulatory Compliance and Industry Best Practices

This unit focuses on the rules, standards, and best practices that govern offshore containers. Learners will study international regulations such as ISO, IMO, and other applicable standards that guide container manufacturing, testing, marking, and use. The unit explains legal responsibilities, documentation requirements, and certification processes. Learners will also explore industry best practices for safe use and handling of offshore containers. This unit ensures that learners understand how to meet legal obligations and follow correct procedures to keep offshore operations safe and compliant.

Learning Outcome:	Assessment Criteria:
1. Demonstrate knowledge of international offshore container regulations and compliance standards.	1.1 List key international standards that govern offshore container use and certification. 1.2 Describe the role of regulatory bodies in overseeing container safety and inspection. 1.3 Explain the importance of compliance in preventing operational and legal issues. 1.4 Interpret certification markings and documentation according to relevant standards.
2. Apply industry best practices in offshore container handling and maintenance.	2.1 Describe accepted procedures for safe lifting, moving, and placing offshore containers. 2.2 Outline steps to prepare containers for inspection and maintenance activities. 2.3 Explain how adherence to best practices enhances operational efficiency and safety.
3. Ensure operational activities meet regulatory and safety requirements.	3.1 Identify common compliance failures and their operational consequences. 3.2 Monitor container handling operations to ensure adherence to legal requirements. 3.3 Maintain and organise documentation required for regulatory inspections.

HSE0066-03- Comprehensive Inspection, Testing, and Maintenance Procedures

This unit teaches the correct procedures for inspecting, testing, and maintaining offshore containers. Learners will study inspection schedules, visual checks, non-destructive testing (NDT) techniques, and what to look for when checking container condition. The unit covers how to identify damage, corrosion, or wear that could affect safety. Learners will also learn how to carry out or support maintenance work and record inspection results properly. The aim is to ensure containers stay safe and serviceable through their full working life.

Learning Outcome:	Assessment Criteria:
1. **Perform thorough inspections of offshore containers to identify defects or non-compliance**	1.1 Follow standard inspection procedures to check structural condition and key components. 1.2 Record and categorise observed defects based on severity and risk. 1.3 Report inspection findings clearly using standard documentation formats.
2. **Conduct testing procedures to verify container integrity and functionality**	2.1 Carry out non-destructive testing (NDT) methods to detect internal flaws or weaknesses. 2.2 Verify the performance of lifting points and structural welds through standard tests. 2.3 Evaluate test results against regulatory benchmarks and performance criteria. 2.4 Recommend necessary repairs or actions based on test outcomes.
3. **Implement effective maintenance strategies to prolong container service life**	3.1 Schedule routine maintenance activities according to usage and inspection data. 3.2 Apply protective coatings and corrosion prevention treatments effectively. 3.3 Coordinate repair work in accordance with manufacturer and regulatory guidelines.

HSE0066-04- Advanced Load Planning, Handling Strategies, and Cargo Securing Methods

This unit explains how to plan and manage the safe loading, movement, and securing of cargo within offshore containers. Learners will study how to calculate load limits, understand centre of gravity, and avoid overloading. It also covers how to secure cargo properly inside the container to prevent shifting during lifting or transport. The unit introduces safe lifting techniques, the role of slings and shackles, and the importance of load distribution. Learners will understand how correct planning and handling can prevent accidents and protect both people and equipment.

Learning Outcome:	Assessment Criteria:
1. Plan complex load arrangements for safe and efficient offshore container operations.	1.1 Assess cargo weight distribution to ensure balance and structural stability. 1.2 Identify limitations related to container load capacity and stacking requirements. 1.3 Prepare load plans that minimise risks during lifting and offshore transfer.
2. Apply advanced handling techniques to maintain container and load stability.	2.1 Select suitable lifting equipment and accessories based on load specifications. 2.2 Supervise container movements to avoid sudden shifts and impact risks. 2.3 Use load monitoring and communication systems to ensure safe handling practices.
3. Execute proper cargo securing methods to prevent movement or damage during transport.	3.1 Select and apply suitable securing devices such as lashings, dunnage, or blocking. 3.2 Ensure cargo is immobilised in line with industry standards and environmental considerations. 3.3 Inspect securing arrangements before transportation and make adjustments as needed. 3.4 Document securing procedures to support audit and safety compliance.

HSE0066-05- Incident Prevention, Emergency Response, and Accident Investigation in Offshore Container Operations

This unit explores how to prevent accidents involving offshore containers, and what to do if something goes wrong. Learners will identify common causes of incidents such as dropped objects, structural failure, or poor handling. The unit also explains how to respond to emergencies and follow reporting procedures. Learners will gain skills in basic accident investigation – such as collecting evidence, identifying causes, and making safety recommendations. The goal is to improve safety by learning from mistakes and taking action before incidents happen.

Learning Outcome:	Assessment Criteria:
1. **Identify potential risks and hazards in offshore container activities.**	1.1 Conduct site-specific risk assessments related to offshore container operations. 1.2 Identify common hazards such as overloading, dropped objects, and poor rigging. 1.3 Suggest control measures to reduce or eliminate identified risks.
2. **Develop and implement emergency response procedures for offshore incidents.**	2.1 Prepare step-by-step response plans for container-related emergencies. 2.2 Train personnel in emergency drills involving offshore containers. 2.3 Allocate responsibilities and communication roles during emergency situations. 2.4 Evaluate the effectiveness of emergency plans and update as necessary.
3. **Conduct systematic accident investigations to determine causes and recommend preventive measures.**	3.1 Gather physical evidence and witness accounts related to the incident. 3.2 Identify root causes using structured investigation techniques. 3.3 Prepare a report with clear conclusions and actionable safety recommendations.

HSE0066-06- Operational Management, Supervision, and Effective Communication in Offshore Logistics

This unit looks at how offshore container operations are managed and how supervision and communication affect safety and efficiency. Learners will understand the roles and responsibilities of supervisors and team leaders in offshore logistics. Topics include planning container movements, managing schedules, and controlling risks. The unit also highlights the importance of clear communication, teamwork, and reporting in high-risk environments. Learners will develop skills to support smooth, safe, and well-organised offshore container operations.

Learning Outcome:	Assessment Criteria:
1. **Plan and manage offshore container logistics operations effectively.**	1.1 Coordinate container scheduling, movement, and storage in offshore environments. 1.2 Monitor operational resources and address delays or inefficiencies. 1.3 Ensure logistics activities align with health, safety, and performance objectives.
2. **Supervise container handling teams to ensure safety and operational efficiency.**	2.1 Assign tasks and monitor team performance during container operations. 2.2 Provide on-the-job guidance to ensure compliance with safe working procedures. 2.3 Identify skill gaps and recommend further training or supervision.
3. **Apply clear and effective communication techniques in offshore operational environments.**	3.1 Use standard communication protocols such as hand signals and radio messages. 3.2 Promote clear instructions and feedback to reduce errors and misunderstandings. 3.3 Maintain communication records and report operational concerns to management. 3.4 Encourage teamwork and collaboration among offshore personnel.

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