

Qualifications for Working in Confined Spaces (6150)

6150 Qualification Handbook



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Version and date	Change detail	Section
6 January 2013	6150-54 Title corrected from Level 4 to Level 3. Relevant qualification titles amended from 'top man' to 'top person'	Introduction
6.1 March 2013	References to CABWI deleted	Introduction and Assessment
V7.0 October 2013	Qualification and unit titles amended	Throughout Handbook
V8.0 March 2014	Amendments to Summary of Assessment methods	Assessments
V8.1 June 2015	A change to the age restriction of candidates has been added for 6150-02, 03, 06 and 14.	Candidate entry requirements
V8.2 May 2016	Qualifications have been added to QW TQT has been added City & Guilds Group statement updated	Introduction to Qualifications Page 2
V8.4 March 2017	Updating the pre-requisite requirements for 6150-05 and 6150-55 Reference to 5831 removed	Opportunity for Progression Candidate Entry Requirements
V8.5 July 2017	Reference to feedback form removed Branding updated	Qualification support materials
V8.6 August 2017	Added TQT details Deleted QCF	Qualifications at a glance, structure Section 3 Units
V9.0 April 2021	Updated instructions on pre-requisites	1.2 Opportunities for progression 2.2 Candidate entry requirements

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1 Introduction to the qualifications

This document contains the information that centres need to offer the following qualifications:

Total Qualification Time (TQT) is the total amount of time, in hours, expected to be spent by a Learner to achieve a qualification. It includes both guided learning hours (which are listed separately) and hours spent in preparation, study and assessment.

Qualification title and level	Level 2 Award in Working in Low Risk Confined Spaces: Water
Qualification number	6150-01
Ofqual accreditation number	500/5328/0
QW approval/designation number	C00/0111/0
Guided Learning Hours	7
Total Qualification Time	10

Qualification title and level	Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Entrant): Water
City & Guilds qualification number	6150-02
Ofqual accreditation number	500/5327/9
QW approval/designation number	C00/0108/1
Guided Learning Hours	15
Total Qualification Time	20

Qualification title and level	Level 2 Award in Working in High Risk Confined Spaces: Water
City & Guilds qualification number	6150-03
Ofqual accreditation number	500/5333/4
QW approval/designation number	C00/0108/2
Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 3 Award in Emergency Rescue and Recovery of Casualties from Confined Spaces: Water
City & Guilds qualification number	6150-05
Ofqual accreditation number	500/5332/2
QW approval/designation number	C00/1115/3
Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Non-entrant): Water
City & Guilds qualification number	6150-06
Ofqual accreditation number	500/7657/7
QW approval/designation number	C00/0194/7

Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 3 Award in Top Man/Persons for High Risk Confined Spaces: Water
City & Guilds qualification number	6150-14
Ofqual accreditation number	600/5017/2
QW approval/designation number	C00/1149/4
Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 2 Award in Working in Low Risk Confined Spaces
City & Guilds qualification number	6150-51
Ofqual accreditation number	500/9329/0
QW approval/designation number	C00/0981/8
Guided Learning Hours	7
Total Qualification Time	10

Qualification title and level	Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Entrant)
City & Guilds qualification number	6150-52
Ofqual accreditation number	500/9511/0
QW approval/designation number	C00/0982/4
Guided Learning Hours	15
Total Qualification Time	20

Qualification title and level	Level 2 Award in Working in High Risk Confined Spaces
City & Guilds qualification number	6150-53
Ofqual accreditation number	500/9559/6
QW approval/designation number	C00/0982/6
Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 3 Award in Top Man/ Person for High Risk Confined Spaces
City & Guilds qualification number	6150-54
Ofqual accreditation number	500/9639/4
QW approval/designation number	C00/0982/9
Guided Learning Hours	22
Total Qualification Time	22

Qualification title and level	Level 3 Award in Emergency Rescue and Recovery of Casualties from Confined Spaces
City & Guilds qualification number	6150-55
Ofqual accreditation number	500/9384/8
QW approval/designation number	C00/0982/0
Guided Learning Hours	20
Total Qualification Time	20

Qualification title and level	Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Non-entrant)
City & Guilds qualification number	6150-56
Ofqual accreditation number	500/9507/9
QW approval/designation number	C00/0982/5
Guided Learning Hours	15
Total Qualification Time	20

Qualification title and level	Level 5 Award in Manage Work in Confined Spaces
City & Guilds qualification number	6150-61
Ofqual accreditation number	600/6166/2
QW approval/designation number	C00/1149/5
Guided Learning Hours	28
Total Qualification Time	30

Registration and certification

Consult the Walled Garden/Online Catalogue for last dates

The full suite of 6150 qualifications has been developed jointly between City & Guilds and CABWI Awarding Body and thus the Water pathways meet the needs of the Water Industry.

Working in confined spaces exposes an individual to a multitude of potential hazards, some of which threaten injury and, in some instances, death. It follows then that specialist training and assessment is required to equip those undertaking work in these environments with the necessary skills and competencies to assess risks, control hazards and perform respective work in a safe mode.

With the collaboration of the Health & Safety Executive, Energy & Utility Skills (EU Skills), employers and the private training fraternity, new generic NOS for working in confined spaces were created, with emphasis on a risk-based approach to working in confined spaces.

City & Guilds and CABWI, with a remit from EU Skills and Water UK, then developed the qualifications being delivered here within the suite of the 6150, initially with a water sector focus, but also now for any industry. For the first time qualifications for working in confined spaces are underpinned by NOS and therefore attest to competency in this health & safety critical discipline.

There are three specific risk levels that have been identified: low, medium and high. A fuller description on these, the overseeing and emergency rescue qualifications, and the standardised assessment requirements are provided in **The 6150 Centre Approvals Document**. It is important that centres consult this document.

On successful completion of a respective 6150 qualification, employees and contractors alike will have an instantly recognisable qualification attesting to competence. Similarly, the qualification number **6150** with its context will provide employers with assurance that employees in this health and safety critical discipline have been assessed against the national standard.

Re-assessment of the 6150 is encouraged every three years for **all** candidates to ensure continuing competency for working in confined spaces.

1.1 Qualification structure

The 6150 contains five separate single-unit qualifications. The respective unit reference number held with the regulatory authorities are detailed below.

As they are all single-unit qualifications, the respective units are naturally mandatory.

Unit Reference Number	City & Guilds complex number	Title	Mandatory/ optional for full qualification	Credit value
D/502/1036	6150-01	Working in Low Risk Confined Spaces: Water	Mandatory	1
T/502/1043	6150-02	Working in Medium Risk Confined Spaces (Top Man) (Entrant): Water	Mandatory	2
F/502/1059	6150-03	Working in High Risk Confined Spaces: Water	Mandatory	2
L/502/1064	6150-05	Emergency Rescue and Recovery of Casualties From Confined Spaces: Water	Mandatory	2
H/600/5110	6150-06	Working in Medium Risk Confined Spaces (Top Man) (Non-entrant): Water	Mandatory	2
H/503/9358	6150-14	Top Man/Persons for High Risk Confined Spaces: Water	Mandatory	2
D/601/7384	6150-51	Working in Low Risk Confined Spaces	Mandatory	1
K/601/8036	6150-52	Working in Medium Risk Confined Spaces (Top Man) (Entrant)	Mandatory	2

D/601/7398	6150-53	Working in High Risk Confined Spaces	Mandatory	2
Unit Reference Number	City & Guilds complex number	Title	Mandatory/ optional for full qualification	Credit value
H/601/7399	6150-54	Top Man/ Person for High Risk Confined Spaces	Mandatory	2
K/601/7405	6150-55	Emergency Rescue and Recovery of Casualties from Confined Spaces	Mandatory	2
F/601/7412	6150-56	Working in Medium Risk Confined Spaces (Top Man) (Non-entrant)	Mandatory	2
F/504/2087	6150-61	Manage Work in Confined Spaces	Mandatory	3

1.2 Opportunities for progression

All of the qualifications within the 6150 are stand-alone and, aside from the Emergency Rescue (6150-05 & 6150-55), there is no requirement to undertake any of them in any particular order. It is simply down to candidate and/or business requirements.

If the candidate is successful with the High Risk (6150-03 or 6150-55) then the competencies associated with Low Risk (6150-01 or 6150-51) and Medium Risk (6150-02 or 6150-52) are automatically conferred and candidates do not need to undertake these qualifications, though they may want to.

If a candidate is successful with the Low Risk (6150-01 or 6150-51) then they will need to progress through the Medium Risk (6150-02 or 6150-52) and High Risk (6150-03 or 6150-53) to be deemed competent in those risk levels.

A candidate wishing to be assessed on the Emergency Rescue (6150-05 or 6150-55) is required to have successfully completed the High Risk (6150-03 or 6150-53) and hold a valid certificate*.

* Equivalent qualifications must cover the same content as the National Occupational Standards and be confirmed by the centre. The centre must submit a Centre Update Form (CUF) to their City & Guilds Quality Team to advise of the equivalent qualifications.

Centres **must** always ensure that the learner has achieved the qualification and retained the pre-requisite knowledge before they enrol on a programme. The EQA may request to see evidence of this during their next routine quality activity. Evidence should be certified copies of certificates, supported by notes from a professional discussion or a 'skills scan' that has been reviewed by a qualified assessor.

1.3 Qualification support materials

City & Guilds provide the following publications and resources specifically for the 6150 qualifications

Description	How to access
6150 Quick Guide	6150 webpage on the City & Guilds website
Assessments – both written and practical; model answers for written.	6150 webpage on the City & Guilds website. Please note these are password protected
Qualification units	6150 webpage on the City & Guilds website. Please note these are password protected
6150 Centre Approval Document	6150 webpage on the City & Guilds website
6150 Centre Requirements Document	6150 webpage on the City & Guilds website

2 Centre requirements

Centres not approved to run any City & Guilds qualifications must complete both the Centre Approval Process (CAP) and Qualification Approval Process (QAP).

All centres must first satisfy the criteria for direct claims status (DCS) before any candidate certificates are issued. Please consult the **6150 Centre Approval Document** for further information.

Centres approved to run the water qualifications (01 – 06) will be granted automatic approval to run the non-industry specific 51 – 56 qualifications. However, this approval is restricted to equivalent qualifications, for example 01 equates to 51, and 01 & 02 equates to 51 & 52.

2.1 Resource requirements

Please consult The **6150 Centre Approval Document**, available on the 6150 webpage of the City & Guilds website.

2.2 Candidate entry requirements

Candidates should **not** be entered for a qualification of the same type, content and level as that of a qualification they already hold, unless this is being done to satisfy the three year re-registration requirement.

Centres are responsible for validating the medical fitness of a candidate in line with current Water UK OGN requirements.

Candidates wishing to attempt the Emergency Rescue qualification (6150-05 or 6150-55) must as a pre-requisite have successfully achieved the High Risk qualification (6150-03 or 6150-53) and hold a valid certificate*. As per standard quality assurance, centres have a responsibility to perform an initial assessment to ensure they have retained the knowledge from 6150-03/53. Evidence of this assessment must be kept on file and accessible to City and Guilds should it be requested to be reviewed as part of an external quality assurance activity.

* Equivalent qualifications must cover the same content as the National Occupational Standards and be confirmed by the centre. The centre must submit a Centre Update Form (CUF) to their City & Guilds Quality Team to advise of the equivalent qualifications.

Centres **must** always ensure that the learner has achieved the qualification and retained the pre-requisite knowledge before they enrol on a programme. The EQA may request to see evidence of this during their next routine quality activity. Evidence should be certified copies of certificates, supported by notes from a professional discussion or a 'skills scan' that has been reviewed by a qualified assessor.

Age restrictions

Any candidate aged 16 and over is entitled to undertake any of the 6150 assessments. It is unlikely employers will expose employees of this age to confined spaces in their employment, but from an assessment perspective anyone aged 16 and over and medically fit in line with OGN requirements, is entitled to register for assessment.

Other legal considerations

At all times current confined spaces regulations and the latest Water UK OGN take precedence.

3 Units

Availability of units

The qualification units for the 6150 suite are password protected for approved centres only and are held on the 6150 webpage of the City & Guilds website. To obtain these, please follow the instructions contained in the main section of the webpage.

Structure of units

The units are written in a standard format and comprise the following:

- title
- level
- credit value
- unit aim
- relationship to NOS, other qualifications and frameworks
- learning outcomes which are comprised of a number of assessment criteria
- guidance notes.

4 Assessment

4.1 Summary of assessment methods

For each of the 6150 qualifications, candidates will be required to complete the following centre marked assessments:

- one practical observation, assessed via practical observation sheets
- one short answer written test, assessed via either knowledge paper A or B.

Paper A and B have different questions, but both satisfy the knowledge requirements of the NOS and can be rotated by centres. City & Guilds will, in due course, undertake to increase the number of papers available to centres.

Candidates must pass **both** assessments to be successful on **all** of the 6150 qualifications.

Due to the nature of confined space work and the emphasis placed on communication, there is only the provision for the practical and knowledge assessments to be **undertaken in English, Welsh or Gaelic**, Interpreters should **not be used**.

Mandatory Requirements for all Centres

The practical skills assessment requires dedicated facilities to be provided by the applicant centre as follows:

- Adequate facilities for the storage of equipment used in practical assessments
- Inspection and maintenance staff (PPE & Work Equipment)
- Facility for storing 'quarantined' equipment
- Adequate changing facilities and security for candidates' personal belongings
- Assessment task briefing room(s) for up to 10 candidates
- Showers and toilets for both sexes should be available near to the assessment facility. The assessment briefing room, messing and changing facilities shall be within close proximity (**30 minutes**) to a range of suitable confined space facilities as appropriate to the particular assessment.
- The practical assessment simulated confined space must have dimensions and structures which allow the candidate to experience relevant kinaesthetic sensory changes as well as the deployment of people and materials for the task being assessed.
- Simulated confined spaces must be chosen with great care to reflect the various classifications given in each section (high, medium or low risk) below.
- Choice must also follow suitable risk assessments to consider the special case of candidates with non-proven skills and ability.
- The final choice of confined spaces used should provide a range of access openings, which reflect history and current usage. These will be required to practice lifting, signing, guarding, entry and exit routines as well as emergency and escape procedures.

- k The internal profile of the chosen confined space must be able to reflect the particular confined space classification and the range of skills a candidate must prove during the assessment

Assessment constraints

Practical

- Trainers **cannot** assess candidates they have trained.
- Should candidates present their own equipment for assessment then it is the responsibility of the assessor to ensure that the equipment is safe and fit for purpose. If there are any doubts about the equipment the assessor should encourage the candidate to use the centre's equipment.
- The candidate/assessor ratio on the practical assessment must **not** exceed 5:1. However, a risk assessment may determine that more 'control' people are required for health and safety reasons and in this case the ratio will reflect the level of risk identified.
- Under **no** circumstances must practical assessments be undertaken in 'live' situations.

Written

- The written assessment can be undertaken before or after the practical assessment
- Should the need arise there is the flexibility to assess the candidate via oral questioning, where the candidate answers into a Dictaphone ©. Only the qualification approved assessor is able to conduct this type of assessment and **only** on one candidate at a time. Furthermore, this type of assessment **must** take place in a secure location, separate from any live written assessments. In this type of assessment, both the candidate and assessor must validate themselves and the type of assessment undertaken at the outset i.e. via Dictaphone ©. All relevant copies of the assessment must be stored in the candidate's portfolio. *This does not apply to candidates who cannot speak English, Welsh or Gaelic. There is only the provision for the assessments to be undertaken in English, Welsh or Gaelic. Interpreters should not be used.*
- There is also the flexibility for a **qualified** assessor to conduct a presentation- style written assessment where the questions are read out to the candidates who then record their answers in the normal written way. This option **must** still take place in the classroom and separate from the practical assessment.
- Examination conditions apply at **all** times on the written assessment and where an oral or presentation-style assessment is offered this must be noted on the candidate's answer sheet.
- There are two knowledge papers which the centre can use, A or B. Should a candidate fail to be successful on their first attempt, then it is down the qualified assessor's judgement as to whether to allow the candidate to sit the other paper. Should the candidate again fail to be successful then the candidate will **not** have met requirements of the qualification. Candidates are only permitted to attempt the written papers twice in one sitting.
- For guidance about grading, please refer to the assessment packs/ assignment guide for each of the qualifications for further information.
- There is **1.5 hours** time limit allocated to the question papers for Low, Medium and High risk (6150 – 01, 02, 03, 06, 51, 52, 53, 56) , **2 hours** allocated to Overseeing and Emergency Rescue question

papers (6150-14, 05, 54, 55) and **2 hour 40 minutes** allocated to Manage Work in Confined Spaces (6150-61).

4.2 Suggested delivery techniques

The practical outcomes of the units for all of the 6150 qualifications (obtainable via a password from the 6150 webpage of the City & Guilds website), are identical to the performance requirements of the national occupational standard (NOS) for working in confined spaces. The NOS generally are high level statements of competence and in order to add context and clarification, Notes for Guidance on the relevant performance criteria have been included under each separate outcome in the unit. Furthermore, the NOS are not sequential and tailored for assessment but rather grouped into specific outcomes.

In respect of the practical assessment, the performance criteria of the NOS have been captured in a sequential format that lends itself to assessment on the ground. This is the performance observation sheet (obtainable via a password from the 6150 webpage of the City & Guilds website)

The mapping documents in the next section 4.3 'Practical Mapping' of this handbook detail the relationships between the practical observation sheet and the unit, or NOS in a more generic sense. It therefore clarifies the mapping of the practical performance sheet in relation to the NOS practical performance criteria, which are all covered in the assessment. The value of this is confirmation that candidates are entirely competent against the NOS should they be successful on the practical assessment.

Centres are encouraged to consult the qualification units, practical performance observation sheets (both via password on the 6150 webpage) and practical mapping documents (section 4.3) when designing assessments. The intended translation is

1. the mapping document confirms where the NOS performance criteria are captured within a statement on the practical observation sheet
2. the bold text in performance criteria in the units (reproduced in the mapping documents) refers to the Notes for Guidance, captured at the end of each outcome
3. when designing the practical assessment it is recommended that centres refer to the sequenced practical observation sheets with the contextualised Notes for Guidance, where applicable.

4.3 Practical mapping

The practical mapping sheets below effectively map the relevant practical skills of the various unit (or NOS) outcomes to their associated numbers on the respective practical observation sheets.

The 'outcome' and 'practical skill' columns are identical to the NOS and 'checklist x-ref' column is the associated area on the practical observation sheets. Entries with 'QP' are knowledge criteria picked up in the written assessments.

When reading these documents please consult section 4.2 'suggested delivery techniques'

6150-01 Working in Low Risk Confined Spaces: Water		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to enter and work safely in low risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	3
	2. obtain authorisation for entry and relevant health and safety information where there are designated personnel for supervising the work	1
	3. arrange adequate communications for lone-working situations	8, 9
	4. maintain a safety zone in situations where other people need to be kept clear	4
	5. carry out a real-time risk assessment before starting work	5
	6. set up and put monitoring equipment in place, and confirm it is working before entering the confined space	7
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	10, 11
	2. set up and inspect access equipment to make sure it is safe before using it	12, 13
	3. enter and exit the space in line with procedures for working in low risk confined spaces	17, 24
	4. resolve any problems of work or team members with the designated personnel	16, 19, 31
Outcome 3 Use equipment and tools safely and in accordance with manufacturers' specifications	1. check all equipment and tools are suitable for the job before using them	3, 18
	2. check all personal protective equipment (PPE) is suitable before using it	2
	3. use the specified method to introduce equipment and tools into the confined space	18, 20
	4. ensure equipment and tools are recovered from site when work is finished	18, 27
Outcome 4 Follow procedures and work safely	1. set up and use communication methods which are suitable for the job	8
	2. inform at least one other person in advance of starting work where it involves lone-working	9
	3. control access of people and vehicles around the entry point	4, 26
	4. resolve any problems connected to the work with the designated personnel	16, 19, 31
	5. follow employers' safe working procedures and manufacturers' equipment instructions	18
	6. act immediately to remedy any unsafe activity, equipment, and environmental conditions	16, 19, 31
	7. regularly monitor atmospheric conditions within the confined space	7, 21
	8. control risks adequately which arise during working	16, 19, 31
	9. use PPE specified for the job	2, 18
	10. respond to information from monitoring equipment	7, 16, 21, 31
	11. close down and make the work area safe when work is finished	28
	12. complete all documentation and reports before filing them in the designated place or passing them to designated personnel	29, 30
Outcome 5 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 25
	2. exit self safely	24
	3. record and report the emergency incident and its circumstances	25, 29

Outcome 6 Use appropriate behaviour for working in low risk confined spaces in the water industry	1. demonstrate that you are vigilant to possible risks and hazards	15, 16, 19, 31
Outcome 7 Use appropriate water industry knowledge for working in low risk confined spaces	1. understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Know about guidance relating to identifying a confined space and how to assess risk for working safely in confined spaces	QP
	3. Know about the types of spaces that could become confined due to the presence of a hazard	QP
	4. Know about the hazards that can produce a confined space	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers instructions relating to use of equipment	QP
	7. Understand the roles when working as part of a team	QP
	8. Know about the different roles and responsibilities for dealing with emergencies	QP
	9. Know how to deal with injuries to personnel and the general public	QP
	10. Know how to deal with irregularities and abnormal situations	QP
	11. Know about different types of emergency situation	QP
Outcome 8 Apply relevant water industry standards for working in low risk confined spaces	1. Understand different classification schemes and how to identify the confined space classification	QP
	2. Understand entry procedures for low risk confined spaces	17
	3. Understand how to carry out real-time assessment of risks and hazards	5
	4. Understand procedures and methods of working suitable to low risk environments and local conditions	14, 18
	5. Understand how to reduce the risk to an acceptable level for the work to be carried out	QP
	6. Understand and use local site procedures	1, 6, 14
	7. Understand how to monitor conditions and work activity	5, 7, 16
	8. Understand how to resolve problems speedily and with the designated personnel where other people or organizations are involved	19, 25, 31
	9. Know and understand the precautions to take when working alone	QP
	10. Understand communications methods for keeping in contact with other people during work in low risk confined spaces	8, 9, 23, 25
	11. Understand how to prepare and check equipment	QP
	12. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 7, 18, 19, 20, 27
	13. Understand reporting systems for routine and non-routine work activities and resolving problems	QP
	14. Understand procedures for dealing with emergencies	21, 22, 23, 24, 25, 29, 31
	15. Understand communications and reporting systems for emergency situations	QP

6150-02 Working in Medium Risk Confined Spaces (Top Man) (Entrant): Water		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in medium risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	4, 3
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	6
	4. put in place and confirm isolation of any connecting services	7
	5. set up and put monitoring equipment in place	8
	6. set up, test, and confirm communications systems are working before moving away from the entry point	9
	7. confirm all team members know and understand their roles	14
	8. check all team members are in place before entry begins	15
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	7, 10, 11
	2. set up and check access equipment is safe	12, 13
	3. resolve any problems of work or team members with the designated personnel	17, 20, 31
	4. use special hoists and safety lines as set down in procedures	4, 13, 19
	5. enter and exit the space in line with procedures for working in a medium risk confined space	18, 26
Outcome 3 Prepare and use RPE in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of escape RPE	3, 19, 25
	2. confirm the suitability of the escape RPE for the job	3, 19
	3. examine the RPE prior to starting work and replace if it is defective	3, 19
	4. resolve any problems with the escape RPE and report non-conformities	17, 20, 31
	5. don the escape RPE to escape in an emergency	25
	6. carry out after-use checks on the RPE after a safe exit and confirm it conforms to specification before storing it in the designated storage ready for the next job	19, 25, 27
Outcome 4 Use equipment and tools safely and in accordance with manufacturers' instructions	1. check all equipment and tools are suitable for the job before using them	4
	2. check all personal protective equipment (PPE) is suitable before using it	2, 3
	3. resolve any problems with equipment and tools before and during their use	4, 17, 19, 20, 31
	4. use the specified method to introduce equipment and tools into the confined space	21
	5. recover and remove equipment and tools when work is finished	27
	6. follow manufacturers and employers instructions for after-use checks and storage	19, 27
Outcome 5 Follow procedures and work safely	1. use different methods of communication which suit the work situation	9, 14, 19, 24, 31
	2. control access of people and vehicles around the entry point	5, 19
	3. resolve any problems connected to the work with the designated personnel	17, 20, 31
	4. follow employers' safe working procedures and manufacturers' equipment instructions	16, 19

	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	17, 20, 31
	6. regularly monitor atmospheric conditions within the confined space	8, 17, 22, 31
	7. control risks adequately which arise during working	6, 17, 31
	8. use Personal Protective Equipment specified for the job	2, 3
	9. respond to information from monitoring equipment	8, 17, 22, 31
	10. communicate regularly with the work team at all stages of the work	9, 19, 24, 31
	11. close down and make the work area safe when work is finished	28
	12. make reports and complete all documentation and deposit them with the designated people	29, 30
Outcome 6 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 24, 25
	2. exit self safely	25, 26
	3. record and report the emergency incident and its circumstances	29, 30
	4. maintain emergency communications.	24
Outcome 7 Use appropriate behaviour for working in medium risk confined spaces in the water industry	1. demonstrate that you are vigilant to possible risks and hazards	6, 17 19, 20, 31
Outcome 8 Use appropriate water industry knowledge for working in medium risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	QP
	3. Describe classifications of confined spaces and their nature and characteristics	QP
	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	QP
	8. Know about working as a member of a team	QP
	9. Know about the different roles and responsibilities for dealing with emergencies	QP
	10. Know how to deal with injuries to personnel and the general public	QP
	11. Know how to deal with irregularities and abnormal situations	QP
	12. Know about different types and categories of emergency situation	QP

Outcome 9 Apply relevant water industry standards for working in medium risk confined spaces	1. Explain different classification schemes and how to identify the confined space classification	QP
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	QP
	3. Understand entry procedures for medium risk confined spaces	10, 11, 18
	4. Understand how to carry out real-time assessment of risks and hazards	6, 17, 20
	5. Understand how to use work authorizations and permits	1, 19
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	6, 16, 19
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local site procedures	1, 14, 17
	11. Understand how to monitor conditions and work activity	6, 8, 17, 31
	12. Understand communications methods which are suitable for use in medium risk confined spaces	QP
	13. Understand how to resolve problems speedily and with the designated personnel	14, 17, 20
	14. Understand how to follow manufacturers' instructions for using equipment and tools	19
	15. Understand how to prepare and check equipment	3, 4, 8, 12, 13, 19
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 13, 19, 20, 21, 27
	17. Understand methods and techniques for using and wearing PPE	2, 19
	18. Understand how to prepare and use escape breathing apparatus	3, 19, 25, 27
	19. Understand reporting systems for routine work activities and resolving problems	20, 29, 30
	20. Understand procedures for dealing with emergencies	22, 23, 24, 25, 26, 29
	21. Understand communications and reporting systems for emergency situations	QP

6150-03 Working in High Risk Confined Spaces: Water		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to enter and work safely in high risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	3, 5, 9
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	7
	4. put in place and confirm isolation of any connecting services	8
	5. set up and put monitoring equipment in place	9
	6. set up, test, and confirm communications systems are working before moving away from the entry point	10
	7. set up and maintain a safety zone around the work site	6
	8. confirm all team members know and understand their roles	15
	9. check all team members are in place before entry begins	16
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	9, 11, 12
	2. set up and check access equipment is safe	13, 14
	3. resolve any problems of work or team members with the designated personnel	18, 21, 32
	4. use special hoists and safety lines as set down in procedures	5, 14, 20
	5. enter and exit the space in line with procedures for working in high risk confined spaces	19, 26
Outcome 3 Prepare and use escape breathing apparatus in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of RPE	3, 4, 20, 30
	2. confirm the suitability of the RPE for the job	3, 20
	3. carry out pre-use safety and user tests to confirm the RPE and its fit comply with current legislation, manufacturers' specifications and approved codes of practice	3, 20
	4. examine the RPE prior to fitting and starting work	3, 20
	5. resolve any problems with the RPE and report non-conformities	4, 20, 21
	6. fit and adjust the designated RPE	3, 20
	7. wear the designated RPE to carry out work	3, 20
	8. continuously monitor the RPE during operation and use	3, 18, 20, 32
	9. carry out after use checks on the RPE after a safe exit	20, 30
	10. take steps to maintain or repair faulty RPE	18, 20, 21, 32
	11. return the RPE after use to the supplier or manufacturer for specialist cleaning and restoration	20, 30
	12. store RPE in designated storage ready for the next job	20, 30
	13. demonstrate how to don and exit confined space using appropriate RPE for escape purposes	3, 20
	14. check all equipment and tools are suitable for the job before using them	5

Outcome 4 Use equipment and tools safely and in accordance with manufacturers' instructions	1. demonstrate how to don and exit confined space using appropriate RPE for escape purposes	3, 20
	2. resolve any problems with equipment and tools before and during their use	18, 20, 21, 32
	3. use the specified methods to introduce equipment and tools into the confined space	22
	4. recover and remove equipment and tools when work is finished	27
	5. follow manufacturers' and employers' instructions for after use checks and storage	20, 27
Outcome 5 Follow procedures and work safely	1. use different methods of communication which suit the work situation	10, 19, 25, 32
	2. control access of people and vehicles around the entry point	6
	3. resolve any problems connected to the work with the designated personnel	18, 21, 32
	4. follow employers' safe working procedures and manufacturers' equipment instructions	17, 20
	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	18, 21, 32
	6. regularly monitor atmospheric conditions within the confined space	9, 18, 21, 32
	7. control risks adequately which arise during working	7, 18, 21, 32
	8. use PPE specified for the job	2
	9. respond to information from monitoring equipment	9
	10. communicate regularly with the work team at all stages of the work	10, 25, 32
	11. close down and make the work area safe when work is finished	28
	12. make reports and complete all documentation and deposit them with the designated people	29, 31
Outcome 6 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	23, 24, 25
	2. exit self safely	25, 26
	3. follow and maintain emergency procedures throughout the incident	25, 26
	4. record and report the emergency incident and its circumstances	29, 30
	5. arrange for basic first aid to be available for recovered surface casualties	24, 25, 26
	6. maintain emergency communications	25
Outcome 7 Use appropriate behaviour for working in High risk confined spaces in the water industry	1. demonstrate that you are vigilant to possible risks and hazards	18, 20, 21, 32
Outcome 8 Use appropriate water industry knowledge for working in high	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	QP
	3. Describe classifications of confined spaces and their nature and characteristics	QP

risk confined spaces	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	QP
	8. Know about working as a member of a team	QP
	9. Know about the different roles and responsibilities for dealing with emergencies	QP
	10. Know how to deal with injuries to personnel and the general public	QP
	11. Know how to deal with irregularities and abnormal situations	QP
	12. Know about different types and categories of emergency situation	QP
Outcome 9 Apply relevant water industry standards for working in medium risk confined spaces	1. Explain different classification schemes and how to identify the confined space classification	QP
	2. Identify the hazards and substances, associated with working in high risk confined spaces	QP
	3. Understand entry procedures for high risk confined spaces	11, 12, 19
	4. Understand how to use work authorizations and permits	1
	5. Understand procedures and methods of working suitable to high risk environments and local conditions	6, 7, 19
	6. Understand how to minimise the risks and hazards for the work to be carried out	QP
	7. Understand how to use ventilation systems	QP
	8. Understand how to reduce risk and injury	QP
	9. Understand and use local site procedures	1, 15, 18
	10. Understand how to monitor conditions and work activity	7, 9, 18, 32
	11. Understand communications methods which are suitable for use in high risk confined spaces	QP
	12. Understand how to resolve problems speedily and with the designated personnel	18, 21, 32
	13. Understand how to follow manufacturers' instructions for using equipment and tools	20
	14. Understand how to prepare and check equipment	3, 4, 5, 13, 14, 19, 20
	15. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 5, 9, 14, 20, 27
	16. Understand methods and techniques for using and wearing PPE	2, 20
	17. Understand how to prepare and use self-contained open circuit breathing apparatus	3, 20, 30
	18. Understand reporting systems for routine work activities and resolving problems	21, 29, 31
	19. Understand procedures for dealing with emergencies	23, 24, 25, 26, 29
	20. Understand communications and reporting systems for emergency situations	QP

6150-05 Emergency Rescue and Recovery of Casualties from Confined Spaces: Water		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in confined spaces under emergency conditions	1. arrange for all rescue equipment specified in the method statement to be on site before work begins	1, 6, 7, 8, 10, 12, 14, 18, 19, 21
	2. set up and test communications systems to make sure it is working properly before rescue and recovery begins	7, 13
	3. confirm all team members know and understand their roles	5, 7, 20
	4. check all team members are in place with the appropriate PPE before entry begins	22
Outcome 2 Enter and exit confined spaces safely	1. set up exclusion zones to prevent entry by unauthorized people	9
	2. enter and exit the space in line with procedures for the confined space risk category	1, 2, 3, 24, 25, 26, 35, 39
Outcome 3 Prepare and use RPE in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of the RPE	5, 15, 16, 17
	2. confirm the suitability of the RPE for the job	5, 26
	3. carry out pre-use safety and user tests to confirm the RPE and its fit comply with current legislation, manufacturers' specifications and approved codes of practice	15, 26
	4. examine the RPE prior to fitting and starting work	15, 26
	5. resolve any problems with the RPE and report non-conformities	16, 26
	6. fit and adjust the designated RPE	15, 26
	7. wear the designated RPE to carry out work	15, 24, 26
	8. continuously monitor the RPE during operation and use	15, 26
	9. carry out after use checks on the RPE after a safe exit	17, 26
	10. take steps to maintain or repair faulty RPE	16, 26
	11. return the RPE after use to the supplier or manufacturer for specialist cleaning and restoration	17, 26, 39
	12. store RPE in designated storage ready for the next job	17, 26
Outcome 4 Use rescue equipment safely and in accordance with manufacturers' instructions	1. confirm all equipment and tools are suitable for the job before using them	6, 12, 14, 26
	2. confirm all personal protective equipment (PPE) is suitable and compatible with the RPE to be worn before using it	11, 26
	3. use the specified method to introduce equipment and tools into the confined space	18, 19, 26, 30
	4. recover and remove equipment and tools when permitted	18, 19, 26, 30
	5. follow manufacturers' and employer's instructions for after use checks, cleaning, disinfection, decontamination, and storage	18, 19, 26, 30
Outcome 5 Follow procedures and work safely	1. follow and maintain emergency procedures throughout the incident	23, 24, 25, 27, 28, 35
	2. follow safe working procedures and manufacturers' equipment instructions	26
	3. follow all employers' instructions and procedures	26
	4. act immediately to remedy any unsafe activity, equipment, and environmental conditions	29, 41
	5. regularly monitor atmospheric conditions within the confined space	12, 27, 41
	6. control risks adequately which arise during working	27, 29, 41

	7. use PPE specified for the job	2, 11, 26
	8. record environmental readings regularly and change the work activity to resolve problems shown by information from the monitoring equipment	12, 27, 29, 41
	9. communicate regularly with the work team at all stages of the rescue and recovery	13, 28
	10. confirm emergency communication links are working and the team is ready for entry	13, 28
	11. enter the confined space as prescribed for emergencies and maintain a safe means of escape	24, 25
	12. move within the confined space in a way which minimizes risk to yourself and does not cause further injury to the casualty	31, 33
	13. make reports and complete all documentation and deposit them with the designated people	38, 40
Outcome 6 Deal with emergencies	1. confirm the emergency arrangements, procedures and communications systems are in place before entry	7, 13, 28
	2. make the emergency arrangements known to all work team, support personnel, and off-site personnel	7, 20, 28
	3. get all rescue equipment on site as specified in emergency procedures	10, 18, 19, 26
	4. arrange for rescue equipment to be in place before allowing entry to confined space	6, 10, 18, 19, 22
	5. put emergency equipment, casualty recovery and handling devices in designated places	18, 19
	6. start emergency procedures immediately on becoming aware of a dangerous situation	23, 41
	7. use emergency equipment and apparatus	18, 19, 26
	8. put on PPE in response to emergency incident and check other team members comply with its wear and use	11, 26
	9. supervise use of emergency equipment	18, 19, 30, 33
	10. recover casualty to a safe location	31, 32, 33, 34
	11. assess and prioritise casualties	32, 36
	12. recover casualties to surface in a way which minimizes further injury	31, 33, 34
	13. record and report the emergency incident and its circumstances	38, 40
	14. administer basic first aid to a recovered surface casualty	32, 36
	15. maintain emergency communications	38, 28
	16. hand over to emergency services	36, 40
	17. secure the site for post-incident investigation	37, 38
Outcome 7 Use appropriate behaviour for carrying out emergency rescue and recovery of casualties from confined spaces in the water industry	1. demonstrate that you are vigilant to possible risks and hazards	2, 12, 27, 41

Outcome 8 Use appropriate water industry knowledge for carrying out emergency rescue and recovery of casualties from confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Know about Industrial Standards	QP
	3. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	QP
	4. Know about the definition of confined spaces and their nature and characteristics	QP
	5. Know about definitions of hazardous situations and different types and categories of hazards	QP
	6. Know how emergency situations can arise in a confined space	QP
	7. Know about manufacturers' instructions relating to the use of equipment, tools, and different types of breathing apparatus	QP
	8. Know about manufacturers' instructions relating to the use of PPE	QP
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	QP
	10. Know about the limitations for using rescue equipment	QP
	11. Know about working as part of a team	QP
	12. Know about roles and responsibilities for dealing with emergencies	QP
	13. Know how to deal with injuries to personnel and the general public	QP
	14. Know how to deal with irregularities and abnormal situations	QP
	15. Know about different types and categories of emergency situation	QP
	16. Know about the implications of drink and drugs policies	QP
Outcome 9 Apply water industry standards for carrying out emergency rescue and recovery of casualties from confined spaces	1. Understand different classification schemes for confined spaces	QP
	2. Understand the hazards, substances, and situations associated with contaminated atmospheres	QP
	3. Understand entry procedures for different types and classifications of confined spaces environments	1, 2, 3
	4. Understand how to carry out real-time assessment of risks and hazards	1, 27, 41
	5. Understand how to use work authorizations and permits	8, 26
	6. Understand procedures and methods of working suitable to different risk levels and local conditions	1, 2, 3, 7, 27
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local procedures	1, 2, 8
	11. Understand how to monitor conditions and work activity	12, 27, 41
	12. Understand decontamination procedures	26, 39
	13. Understand communications methods which are suitable for different sites and their conditions	QP
	14. Understand how to resolve problems speedily and with the designated personnel	29, 41
	15. Understand how to follow manufacturers' instructions for using equipment	26
	16. Understand how to prepare and check equipment	6, 10, 18, 19, 26
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	6, 10, 18, 19, 26

	18. Understand methods and techniques for using and wearing PPE	11, 26
	19. Understand how to prepare and use different types of breathing apparatus	11, 15, 16, 17, 39
	20. Understand how to use emergency rescue equipment	1, 8, 26, 30
	21. Understand how to use equipment to resuscitate casualties	19, 26
	22. Understand how to ensure the content of the emergency incident kit is complete	6, 10, 26
	23. Understand how to use maps and technical drawings	1, 2, 8
	24. Understand the responsibilities of a rescue team and its individual members	QP
	25. Understand the responsibilities of managing work teams	QP
	26. Understand procedures for dealing with emergencies	7, 23, 24, 25
	27. Understand rescue and recovery procedures	31, 32, 33, 34
	28. Understand communications and reporting systems for emergency situations	QP
	29. Understand how to site rescue equipment	7, 10, 18, 19, 26
	30. Understand how to use tally boards for deploying rescue team members	24, 26
	31. Understand how to use incident logs throughout rescue operations	26, 27, 28, 38, 40
	32. Understand how to plan for dealing with potential fatalities	QP
	33. Understand how to treat casualties and injuries	32, 33, 34, 36
	34. Understand how to prepare for and deal with weather conditions	QP
	35. Understand how to maintain sites for investigations following emergency and rescue situations	QP

6150-06 Working in Medium Risk Confined Spaces (Top Man) (Non-entrant): Water

Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in medium risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	4, 3
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	6
	4. put in place and confirm isolation of any connecting services	7
	5. set up and put monitoring equipment in place	8
	6. set up, test, and confirm communications systems are working before moving away from the entry point	9
	7. confirm all team members know and understand their roles	14
	8. check all team members are in place before entry begins	15
Outcome 2 Oversee entry and exit at confined space in capacity of non-entrant	1. check atmospheric conditions are safe	7, 10, 11
	2. set up and check access equipment is safe	12, 13
	3. resolve any problems of work or team members with the designated personnel	17, 20, 31
	4. use special hoists and safety lines as set down in procedures	4, 13, 19
Outcome 3 Use equipment and tools safely and in accordance with manufacturers' instructions	1. check all equipment and tools are suitable for the job before using them	4
	2. check all personal protective equipment (PPE) is suitable before using it	2, 3
	3. resolve any problems with equipment and tools before and during their use	4, 17, 19, 20, 31
	4. use the specified method to introduce equipment and tools into the confined space	21
	5. recover and remove equipment and tools when work is finished	27
	6. follow manufacturers and employers instructions for after-use checks and storage	19, 27
Outcome 4 Follow procedures and work safely	1. use different methods of communication which suit the work situation	9, 14, 19, 24, 31
	2. control access of people and vehicles around the entry point	5, 19
	3. resolve any problems connected to the work with the designated personnel	17, 20, 31
	4. follow employers' safe working procedures and manufacturers' equipment instructions	16, 19
	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	17, 20, 31
	6. regularly monitor atmospheric conditions within the confined space	8, 17, 22, 31
	7. control risks adequately which arise during working	6, 17, 31
	8. use Personal Protective Equipment specified for the job	2, 3
	9. respond to information from monitoring equipment	8, 17, 22, 31
	10. communicate regularly with the work team at all stages of the work	9, 19, 24, 31
	11. close down and make the work area safe when work is finished	28
	12. make reports and complete all documentation and deposit them with the designated people	29, 30

Outcome 5 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 24, 25
	2. record and report the emergency incident and its circumstances	29, 30
	3. maintain emergency communications.	24
Outcome 6 Use appropriate water industry knowledge for working in medium risk confined spaces (non-entrant)	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	QP
	3. Describe classifications of confined spaces and their nature and characteristics	QP
	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	QP
	8. Know about working as a member of a team	QP
	9. Know about the different roles and responsibilities for dealing with emergencies	QP
	10. Know how to deal with injuries to personnel and the general public	QP
	11. Know how to deal with irregularities and abnormal situations	QP
	12. Know about different types and categories of emergency situation	QP
Outcome 7 Apply relevant water industry standards industry specific knowledge for working in medium risk confined spaces	1. Explain different classification schemes and how to identify the confined space classification	QP
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	QP
	3. Understand entry procedures for medium risk confined spaces	10, 11, 18
	4. Understand how to carry out real-time assessment of risks and hazards	6, 17, 20
	5. Understand how to use work authorizations and permits	1, 19
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	6, 16, 19
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local site procedures	1, 14, 17
	11. Understand how to monitor conditions and work activity	6, 8, 17, 31
	12. Understand communications methods which are suitable for use in medium risk confined spaces	QP
	13. Understand how to resolve problems speedily and with the designated personnel	14, 17, 20
	14. Understand how to follow manufacturers' instructions for using equipment and tools	19
	15. Understand how to prepare and check equipment	3, 4, 8, 12, 13, 19
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 13, 19, 20, 21, 27

	17. Understand methods and techniques for using and wearing PPE	2, 19
	18. Understand how to prepare and use escape breathing apparatus	3, 19, 25, 27
	19. Understand reporting systems for routine work activities and resolving problems	20, 29, 30
	20. Understand procedures for dealing with emergencies	22, 23, 24, 25, 26, 29
	21. Understand communications and reporting systems for emergency situations	QP

6150-14 Top Man/Persons for High Risk Confined Spaces: Water		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to act as safety attendant for teams working in confined spaces in the water industry	1. interpret the work plan and arrange for the necessary equipment to be available	1, 2, 4, 5, 6, 13
	2. arrange for all required equipment to be available prior to entering the site	2, 4, 5, 6, 13
	3. determine work team activities	3, 8
	4. put together a competent work team	3, 8
	5. allocate activities to each team role	8
	6. confirm all team members know and understand their roles	9
	7. brief the work team on the nature of the specific confined space	7
	8. carry out a real-time risk assessment before starting work	11, 12
	9. organise and maintain a safety zone around the work site	10
	10. confirm communications systems are set up, tested, and are working before team move away from the entry point	14
Outcome 2 Oversee safe entry and exit to confined spaces	1. check atmospheric conditions are safe before the work team enters the confined space	15, 16
	2. oversee and check the work team enter and exit in line with procedures	1, 17, 18, 20, 21
	3. make sure procedures regarding the carrying and use of RPE are followed	5, 23
	4. make sure the work team use the detection equipment and entry equipment correctly	13, 17, 18
	5. remedy any incorrect activities with the team member	25, 27, 44
	6. oversee recovery of equipment and tools from site when work is finished	40
Outcome 3 Monitor work team to ensure procedures are followed	1. control access of people and vehicles around the entry point	10, 23, 35
	2. resolve any problems connected to the work or team members with the designated personnel	25, 27, 44
	3. act immediately to remedy any unsafe activity, equipment, and environmental conditions	23, 25, 27, 44
	4. monitor continuously the work team and ensure compliance with procedures	23
	5. monitor environmental readings regularly and respond to information from monitoring equipment	13, 24, 25, 44
	6. communicate regularly with the work team at all stages of the work	14, 26
	7. initiate site hygiene procedures	19, 23
	8. close down and make the work area safe when work is finished	41
	9. make reports and complete all documentation and deposit them with the designated people	42, 43
Outcome 4 Prepare for and deal with emergencies	1. confirm the emergency arrangements, procedures and communications systems are in place and working properly	1, 2, 14
	2. make the emergency arrangements known to all work team, support personnel, and off-site personnel	2, 7
	3. get all rescue equipment on site as specified in emergency procedures	2

	4. set up exclusion zones to prevent entry by unauthorised people following emergency situations	35
	5. arrange for rescue equipment to be in place before allowing entry to confined space	2
	6. start emergency procedures immediately a dangerous situation arises	25, 28, 29, 44
	7. supervise exit procedures	32, 36
	8. maintain control over work team members during an emergency	29, 30, 31, 32, 33, 34
	9. supervise the use of emergency equipment	32, 33
	10. follow and maintain emergency procedures throughout the incident	29
	11. record and report the emergency incident and its circumstances	42, 43
	12. arrange for basic first aid to be available to recovered surface casualties	37
	13. maintain emergency communications	30, 31
	14. hand-over to emergency services	38
	15. secure and maintain sites for post-rescue investigations	39
Outcome 5 Use appropriate behaviour for carrying out Top Man work in High Risk Confined Spaces in the Water Sector	1. demonstrate that you are vigilant to possible risks and hazards	1, 7, 11, 25, 28, 44
Outcome 6 Use appropriate water industry knowledge for carrying out Top man work in high risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Know about Industrial Standards	QP
	3. Have a working knowledge of the approved codes of practice and guidance for working safely in confined spaces	QP
	4. Know about the definition of confined spaces and their nature and characteristics	QP
	5. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	6. Know how emergency situations can arise in a confined space	QP
	7. Know about manufacturers' instructions relating to the use of equipment, tools and breathing apparatus	QP
	8. Know about manufacturers' instructions relation to the use of PPE	QP
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	QP
	10. Know about the limitations for using rescue equipment	QP
	11. Know about working as a member of a team	QP
	12. Know about the different roles and responsibilities for dealing with emergencies	QP
	13. Know how to deal with injuries to personnel and the general public	QP
	14. Know how to deal with irregularities and abnormal situations	QP
	15. Know about the different types and categories of emergency situation	QP

Outcome 7 Apply relevant water industry standards for carrying out Top man Work in High Risk Confined Spaces	1. Understand the different classification schemes for confined spaces	QP
	2. Understand the hazards, substances and situations associated with contaminated atmospheres	QP
	3. Understand entry procedures for different types and risk levels of confined spaces environments	7, 9, 11
	4. Understand how to carry out real-time assessment of risks and hazards	11
	5. Understand how to use work authorizations and permits	1
	6. Understand procedures and methods of working suitable to the confined space risk level and local conditions	1, 7, 8, 9, 11, 19, 23
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local procedures	QP
	11. Understand how to monitor conditions and work activity	QP
	12. Understand decontamination procedures	19, 23, 25, 41
	13. Understand communications methods which are suitable for the site and its conditions	QP
	14. Understand how to resolve problems speedily and with the designated personnel	25, 27, 44
	15. Understand how to follow manufacturers' instructions for using equipment	23
	16. Understand how to prepare and check equipment	2, 5, 6, 13, 23, 33
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	2, 5, 6, 13, 22, 23, 33, 40
	18. Understand methods and techniques for using and wearing PPE	4, 23
	19. Understand how to prepare and use escape breathing apparatus	QP
	20. Understand how to prepare and use self-contained breathing apparatus	QP
	21. Understand the responsibilities of a rescue team and its individual members	QP
	22. Understand the responsibilities of managing work teams	QP
	23. Understand reporting systems for routine work activities and resolving problems	QP
	24. Understand procedures for dealing with emergencies	1, 2, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
	25. Understand rescue and recovery procedures in emergency situations	33, 34, 37, 38
	26. Understand communications and reporting systems for emergency situations	QP

6150-51 Working in Low Risk Confined Spaces		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to enter and work safely in low risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	3
	2. obtain authorisation for entry and relevant health and safety information where there are designated personnel for supervising the work	1
	3. arrange adequate communications for lone-working situations	8, 9
	4. maintain a safety zone in situations where other people need to be kept clear	4
	5. carry out a real-time risk assessment before starting work	5
	6. set up and put monitoring equipment in place, and confirm it is working before entering the confined space	7
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	10, 11
	2. set up and inspect access equipment to make sure it is safe before using it	12, 13
	3. enter and exit the space in line with procedures for working in low risk confined spaces	17, 24
	4. resolve any problems of work or team members with the designated personnel	16, 19, 31
Outcome 3 Use equipment and tools safely and in accordance with manufacturers' specifications	1. check all equipment and tools are suitable for the job before using them	3, 18
	2. check all personal protective equipment (PPE) is suitable before using it	2
	3. use the specified method to introduce equipment and tools into the confined space	18, 20
	4. ensure equipment and tools are recovered from site when work is finished	18, 27
Outcome 4 Follow procedures and work safely	1. set up and use communication methods which are suitable for the job	8
	2. inform at least one other person in advance of starting work where it involves lone-working	9
	3. control access of people and vehicles around the entry point	4, 26
	4. resolve any problems connected to the work with the designated personnel	16, 19, 31
	5. follow employers' safe working procedures and manufacturers' equipment instructions	18
	6. act immediately to remedy any unsafe activity, equipment, and environmental conditions	16, 19, 31
	7. regularly monitor atmospheric conditions within the confined space	7, 21
	8. control risks adequately which arise during working	16, 19, 31
	9. use PPE specified for the job	2, 18
	10. respond to information from monitoring equipment	7, 16, 21, 31
	11. close down and make the work area safe when work is finished	28
	12. complete all documentation and reports before filing them in the designated place or passing them to designated personnel	29, 30
Outcome 5 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 25
	4. exit self safely	24

	5. record and report the emergency incident and its circumstances	25, 29
Outcome 6 Use appropriate behaviour for working in low risk confined spaces in the water industry	1. demonstrate that you are vigilant to possible risks and hazards	15, 16, 19, 31
Outcome 7 Use appropriate knowledge for working in low risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Know about guidance relating to identifying a confined space and how to assess risk for working safely in confined spaces	QP
	3. Know about the types of spaces that could become confined due to the presence of a hazard	QP
	4. Know about the hazards that can produce a confined space	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers instructions relating to use of equipment	QP
	7. Understand the roles when working as part of a team	QP
	8. Know about the different roles and responsibilities for dealing with emergencies	QP
	9. Know how to deal with injuries to personnel and the general public	QP
	10. Know how to deal with irregularities and abnormal situations	QP
	11. Know about different types of emergency situation	QP
Outcome 8 Apply relevant industry standards for working in low risk confined spaces	15. Map own organisations' classifications into National Occupational Standards for confined spaces	QP
	16. Understand entry procedures for low risk confined spaces	17
	17. Understand how to carry out real-time assessment of risks and hazards	5
	18. Understand procedures and methods of working suitable to low risk environments and local conditions	14, 18
	19. Understand how to reduce the risk to an acceptable level for the work to be carried out	QP
	20. Understand and use local site procedures	1, 6, 14
	21. Understand how to monitor conditions and work activity	5, 7, 16
	22. Understand how to resolve problems speedily and with the designated personnel where other people or organizations are involved	19, 25, 31
	23. Know and understand the precautions to take when working alone	QP
	24. Understand communications methods for keeping in contact with other people during work in low risk confined spaces	8, 9, 23, 25
	25. Understand how to prepare and check equipment	QP
	26. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 7, 18, 19, 20, 27
	27. Understand reporting systems for routine and non-routine work activities and resolving problems	QP
	28. Understand procedures for dealing with emergencies	21, 22, 23, 24, 25, 29, 31
	16. Understand communications and reporting systems for emergency situations	QP

6156-52 Working in Medium Risk Confined Spaces (Top Man) (Entrant)		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in medium risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	4, 3
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	6
	4. put in place and confirm isolation of any connecting services	7
	5. set up and put monitoring equipment in place	8
	6. set up, test, and confirm communications systems are working before moving away from the entry point	9
	7. confirm all team members know and understand their roles	14
	8. check all team members are in place before entry begins	15
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	7, 10, 11
	6. set up and check access equipment is safe	12, 13
	7. resolve any problems of work or team members with the designated personnel	17, 20, 31
	8. use special hoists and safety lines as set down in procedures	4, 13, 19
	9. enter and exit the space in line with procedures for working in a medium risk confined space	18, 26
Outcome 3 Prepare and use RPE in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of escape breathing apparatus	3, 19, 25
	2. confirm the suitability of the escape respiratory protective equipment (RPE) for the job	3, 19
	3. examine the (RPE) prior to starting work and replace if it is defective	3, 19
	7. resolve any problems with the escape (RPE) and report non-conformities	17, 20, 31
	8. don the escape (RPE) to escape in an emergency	25
	9. carry out after-use checks on the (RPE) after a safe exit and confirm it conforms to specification before storing it in the designated storage ready for the next job	19, 25, 27
Outcome 4 Use equipment and tools safely and in accordance with manufacturers' instructions	1. check all equipment and tools are suitable for the job before using them	4
	2. check all personal protective equipment (PPE) is suitable before using it	2, 3
	3. resolve any problems with equipment and tools before and during their use	4, 17, 19, 20, 31
	4. use the specified method to introduce equipment and tools into the confined space	21
	5. recover and remove equipment and tools when work is finished	27
	6. follow manufacturers and employers instructions for after-use checks and storage	19, 27
Outcome 5 Follow procedures and work safely	1. use different methods of communication which suit the work situation	9, 14, 19, 24, 31
	2. control access of people and vehicles around the entry point	5, 19
	3. resolve any problems connected to the work with the designated personnel	17, 20, 31

	4. follow employers' safe working procedures and manufacturers' equipment instructions	16, 19
	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	17, 20, 31
	6. regularly monitor atmospheric conditions within the confined space	8, 17, 22, 31
	7. control risks adequately which arise during working	6, 17, 31
	8. use Personal Protective Equipment specified for the job	2, 3
	9. respond to information from monitoring equipment	8, 17, 22, 31
	10. communicate regularly with the work team at all stages of the work	9, 19, 24, 31
	11. close down and make the work area safe when work is finished	28
	12. make reports and complete all documentation and deposit them with the designated people	29, 30
Outcome 6 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 24, 25
	2. exit self safely	25, 26
	3. record and report the emergency incident and its circumstances	29, 30
	4. maintain emergency communications .	24
Outcome 7 Use appropriate behaviour for working in medium risk confined spaces	1. demonstrate that you are vigilant to possible risks and hazards	6, 17 19, 20, 31
Outcome 8 Use appropriate knowledge for working in medium risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	QP
	3. Describe classifications of confined spaces and their nature and characteristics	QP
	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	QP
	8. Know about working as a member of a team	QP
	9. Know about the different roles and responsibilities for dealing with emergencies	QP
	10. Know how to deal with injuries to personnel and the general public	QP
	11. Know how to deal with irregularities and abnormal situations	QP
	12. Know about different types and categories of emergency situation	QP
Outcome 9 Apply relevant industry standards for working in medium risk confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	QP
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	QP
	3. Understand entry procedures for medium risk confined spaces	10, 11, 18
	4. Understand how to carry out real-time assessment of risks and hazards	6, 17, 20

	5. Understand how to use work authorizations and permits	1, 19
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	6, 16, 19
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local site procedures	1, 14, 17
	11. Understand how to monitor conditions and work activity	6, 8, 17, 31
	12. Understand communications methods which are suitable for use in medium risk confined spaces	QP
	13. Understand how to resolve problems speedily and with the designated personnel	14, 17, 20
	14. Understand how to follow manufacturers' instructions for using equipment and tools	19
	15. Understand how to prepare and check equipment	3, 4, 8, 12, 13, 19
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 13, 19, 20, 21, 27
	17. Understand methods and techniques for using and wearing PPE	2, 19
	18. Understand how to prepare and use escape breathing apparatus	3, 19, 25, 27
	19. Understand reporting systems for routine work activities and resolving problems	20, 29, 30
	20. Understand procedures for dealing with emergencies	22, 23, 24, 25, 26, 29
	21. Understand communications and reporting systems for emergency situations	QP

6150-53 Working in High Risk Confined Spaces		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to enter and work safely in high risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	3, 5, 9
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	7
	4. put in place and confirm isolation of any connecting services	8
	5. set up and put monitoring equipment in place	9
	6. set up, test, and confirm communications systems are working before moving away from the entry point	10
	7. set up and maintain a safety zone around the work site	6
	8. confirm all team members know and understand their roles	15
	9. check all team members are in place before entry begins	16
Outcome 2 Enter and exit confined spaces safely	1. check atmospheric conditions are safe	9, 11, 12
	2. set up and check access equipment is safe	13, 14
	3. resolve any problems of work or team members with the designated personnel	18, 21, 32
	4. use special hoists and safety lines as set down in procedures	5, 14, 20
	5. enter and exit the space in line with procedures for working in high risk confined spaces	19, 26
Outcome 3 Prepare and use RPE in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of respiratory protective equipment (RPE)	3, 4, 20, 30
	2. confirm the suitability of the (RPE) for the job	3, 20
	3. carry out pre-use safety and user tests to confirm the (RPE) and its fit comply with current legislation, manufacturers' specifications and approved codes of practice	3, 20
	4. examine the (RPE) prior to fitting and starting work	3, 20
	5. resolve any problems with the (RPE) and report non-conformities	4, 20, 21
	6. fit and adjust the designated (RPE)	3, 20
	7. wear the designated (RPE) to carry out work	3, 20
	8. continuously monitor the (RPE) during operation and use	3, 18, 20, 32
	9. carry out after use checks on the (RPE) after a safe exit	20, 30
	10. take steps to maintain or repair faulty (RPE)	18, 20, 21, 32
	11. return the (RPE) after use to the supplier or manufacturer for specialist cleaning and restoration	20, 30
	12. store (RPE) in designated storage ready for the next job	20, 30
	13. demonstrate how to don and exit confined space using appropriate RPE for escape purposes	3, 20
Outcome 4 Use equipment and tools safely and in accordance with	1. check all equipment and tools are suitable for the job before using them	5
	2. check all personal protective equipment (PPE) is suitable and compatible with the (RPE) to be worn before using it	2
	3. resolve any problems with equipment and tools before and during their use	18, 20, 21, 32

manufacturers' instructions	4. use the specified methods to introduce equipment and tools into the confined space	22
	5. recover and remove equipment and tools when work is finished	27
	6. follow manufacturers' and employers' instructions for after use checks and storage	20, 27
Outcome 5 Follow procedures and work safely	1. use different methods of communication which suit the work situation	10, 19, 25, 32
	2. control access of people and vehicles around the entry point	6
	3. resolve any problems connected to the work with the designated personnel	18, 21, 32
	4. follow employers' safe working procedures and manufacturers' equipment instructions	17, 20
	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	18, 21, 32
	6. regularly monitor atmospheric conditions within the confined space	9, 18, 21, 32
	7. control risks adequately which arise during working	7, 18, 21, 32
	8. use PPE specified for the job	2
	9. respond to information from monitoring equipment	9
	10. communicate regularly with the work team at all stages of the work	10, 25, 32
	11. close down and make the work area safe when work is finished	28
	12. make reports and complete all documentation and deposit them with the designated people	29, 31
Outcome 6 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	23, 24, 25
	2. exit self safely	25, 26
	3. follow and maintain emergency procedures throughout the incident	25, 26
	4. record and report the emergency incident and its circumstances	29, 30
	5. arrange for basic first aid to be available for recovered surface casualties	24, 25, 26
	6. maintain emergency communications	25
Outcome 7 Use appropriate behaviour for working in High risk confined spaces	1. demonstrate that you are vigilant to possible risks and hazards	18, 20, 21, 32
Outcome 8 Use general knowledge for working in high risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	QP
	3. Know about the definition of confined spaces and their nature and characteristics	QP
	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP

	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of appropriate RPE for working and escape purposes	QP
	8. Know about legislation and approved codes of practice and approved guidelines for breathing apparatus	QP
	9. Know about working as a member of a team	QP
	10. Know about the different roles and responsibilities for dealing with emergencies	QP
	11. Know how to deal with injuries to personnel and the general public	QP
	12. Know how to deal with irregularities and abnormal situations	QP
	13. Know about different types and categories of emergency situation	QP
Outcome 9 Apply water industry specific knowledge for working in high risk confined spaces in the water industry	1. Map own organisations' classifications into National Occupational Standards for confined spaces	QP
	2. Understand the hazards and substances, associated with working in high risk confined spaces	QP
	3. Understand entry procedures for high risk confined spaces	11, 12, 19
	4. Understand how to use work authorizations and permits	1
	5. Understand procedures and methods of working suitable to high risk environments and local conditions	6, 7, 19
	6. Understand how to minimise the risks and hazards for the work to be carried out	QP
	7. Understand how to use ventilation systems	QP
	8. Understand how to reduce risk and injury	QP
	9. Understand and use local site procedures	1, 15, 18
	10. Understand how to monitor conditions and work activity	7, 9, 18, 32
	11. Understand communications methods which are suitable for use in high risk confined spaces	QP
	12. Understand how to resolve problems speedily and with the designated personnel	18, 21, 32
	13. Understand how to follow manufacturers' instructions for using equipment and tools	20
	14. Understand how to prepare and check equipment	3, 4, 5, 13, 14, 19, 20
	15. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 5, 9, 14, 20, 27
	16. Understand methods and techniques for using and wearing PPE	2, 20
	17. Understand how to prepare and use self-contained open circuit breathing apparatus	3, 20, 30
	18. Understand reporting systems for routine work activities and resolving problems	21, 29, 31
	19. Understand procedures for dealing with emergencies	23, 24, 25, 26, 29
	20. Understand communications and reporting systems for emergency situations	QP

6156-54 Top Man/ Person for High Risk Confined Spaces		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to act as safety attendant for teams working in confined spaces	1. interpret the work plan and arrange for the necessary equipment to be available	1, 2, 4, 5, 6, 13
	2. arrange for all required equipment to be available prior to entering the site	2, 4, 5, 6, 13
	3. determine work team activities	3, 8
	4. put together a competent work team	3, 8
	5. allocate activities to each team role	8
	6. confirm all team members know and understand their roles	9
	7. brief the work team on the nature of the specific confined space	7
	8. carry out a real-time risk assessment before starting work	11, 12
	9. organise and maintain a safety zone around the work site	10
	10. confirm communications systems are set up, tested, and are working before team move away from the entry point	14
Outcome 2 Oversee safe entry and exit to confined spaces	1. check atmospheric conditions are safe before the work team enters the confined space	15, 16
	2. oversee and check the work team enter and exit in line with procedures	1, 17, 18, 20, 21
	3. make sure procedures regarding the carrying and use of breathing apparatus are followed	5, 23
	4. make sure the work team use the detection equipment and entry equipment correctly	13, 17, 18
	5. remedy any incorrect activities with the team member	25, 27, 44
	6. oversee recovery of equipment and tools from site when work is finished	40
Outcome 3 Monitor work team to ensure procedures are followed	1. control access of people and vehicles around the entry point	10, 23, 35
	2. resolve any problems connected to the work or team members with the designated personnel	25, 27, 44
	3. act immediately to remedy any unsafe activity, equipment, and environmental conditions	23, 25, 27, 44
	4. monitor continuously the work team and ensure compliance with procedures	23
	5. monitor environmental readings regularly and respond to information from monitoring equipment	13, 24, 25, 44
	6. communicate regularly with the work team at all stages of the work	14, 26
	7. initiate site hygiene procedures	19, 23
	8. close down and make the work area safe when work is finished	41
	9. make reports and complete all documentation and deposit them with the designated people	42, 43
Outcome 4 Prepare for and deal with emergencies	1. confirm the emergency arrangements, procedures and communications systems are in place and working properly	1, 2, 14
	2. make the emergency arrangements known to all work team, support personnel, and off-site personnel	2, 7
	3. get all rescue equipment on site as specified in emergency procedures	2

	4. set up exclusion zones to prevent entry by unauthorised people following emergency situations	35
	5. arrange for rescue equipment to be in place before allowing entry to confined space	2
	6. start emergency procedures immediately a dangerous situation arises	25, 28, 29, 44
	7. supervise exit procedures	32, 36
	8. maintain control over work team members during an emergency	29, 30, 31, 32, 33, 34
	9. supervise the use of emergency equipment	32, 33
	10. follow and maintain emergency procedures throughout the incident	29
	11. record and report the emergency incident and its circumstances	42, 43
	12. arrange for basic first aid to be available to recovered surface casualties	37
	13. maintain emergency communications	30, 31
	14. hand-over to emergency services	38
	15. secure and maintain sites for post-rescue investigations	39
Outcome 5 Use appropriate behaviour for carrying out top man / person work in high risk confined spaces	1. demonstrate that you are vigilant to possible risks and hazards	1, 7, 11, 25, 28, 44
Outcome 6 Use appropriate knowledge for carrying out top man / person work in high risk confined spaces	1. understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Know about Industrial Standards	QP
	3. Have a working knowledge of the approved codes of practice and guidance for working safely in confined spaces	QP
	4. Know about the definition of confined spaces and their nature and characteristics	QP
	5. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	6. Know how emergency situations can arise in a confined space	QP
	7. Know about manufacturers' instructions relating to the use of equipment, tools and breathing apparatus	QP
	8. Know about manufacturers' instructions relation to the use of PPE	QP
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	QP
	10. Know about the limitations for using rescue equipment	QP
	11. Know about working as a member of a team	QP
	12. Know about the different roles and responsibilities for dealing with emergencies	QP
	13. Know how to deal with injuries to personnel and the general public	QP
	14. Know how to deal with irregularities and abnormal situations	QP
	15. Know about the different types and categories of emergency situation	QP
Outcome 7 Apply relevant industry standards for carrying out	1. Map own organisations' classifications into National Occupational Standards for confined spaces	QP
	2. Understand the hazards, substances and situations associated with contaminated atmospheres	QP

Top Man / Person work in confined spaces	3. Understand entry procedures for different types and risk levels of confined spaces environments	7, 9, 11
	4. Understand how to carry out real-time assessment of risks and hazards	11
	5. Understand how to use work authorizations and permits	1
	6. Understand procedures and methods of working suitable to the confined space risk level and local conditions	1, 7, 8, 9, 11, 19, 23
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local procedures	QP
	11. Understand how to monitor conditions and work activity	QP
	12. Understand decontamination procedures	19, 23, 25, 41
	13. Understand communications methods which are suitable for the site and its conditions	QP
	14. Understand how to resolve problems speedily and with the designated personnel	25, 27, 44
	15. Understand how to follow manufacturers' instructions for using equipment	23
	16. Understand how to prepare and check equipment	2, 5, 6, 13, 23, 33
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	2, 5, 6, 13, 22, 23, 33, 40
	18. Understand methods and techniques for using and wearing PPE	4, 23
	19. Understand how to prepare and use escape breathing apparatus	QP
	20. Understand how to prepare and use self-contained breathing apparatus	QP
	21. Understand the responsibilities of a rescue team and its individual members	QP
	22. Understand the responsibilities of managing work teams	QP
	23. Understand reporting systems for routine work activities and resolving problems	QP
	24. Understand procedures for dealing with emergencies	1, 2, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
	25. Understand rescue and recovery procedures in emergency situations	33, 34, 37, 38
	26. Understand communications and reporting systems for emergency situations	QP

6150-55 Emergency Rescue and Recovery of Casualties from Confined Spaces		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in confined spaces under emergency conditions	1. arrange for all rescue equipment specified in the method statement to be on site before work begins	1, 6, 7, 8, 10, 12, 14, 18, 19, 21
	2. set up and test communications systems to make sure it is working properly before rescue and recovery begins	7, 13
	3. confirm all team members know and understand their roles	5, 7, 20
	4. check all team members are in place with the appropriate PPE before entry begins	22
Outcome 2 Enter and exit confined spaces safely	1. set up exclusion zones to prevent entry by unauthorized people	9
	2. enter and exit the space in line with procedures for the confined space risk category	1, 2, 3, 24, 25, 26, 35, 39
Outcome 3 Prepare and use respiratory protective equipment (RPE) in accordance with manufacturers' specifications	1. adhere to all procedures regarding the carrying and use of the respiratory protective equipment (RPE)	5, 15, 16, 17
	2. confirm the suitability of the (RPE) for the job	5, 26
	3. carry out pre-use safety and user tests to confirm the (RPE) and its fit comply with current legislation, manufacturers' specifications and approved codes of practice	15, 26
	4. examine the (RPE) prior to fitting and starting work	15, 26
	5. resolve any problems with the (RPE) and report non-conformities	16, 26
	6. fit and adjust the designated (RPE)	15, 26
	7. wear the designated (RPE) to carry out work	15, 24, 26
	8. continuously monitor the (RPE) during operation and use	15, 26
	9. carry out after use checks on the (RPE) after a safe exit	17, 26
	10. take steps to maintain or repair faulty (RPE)	16, 26
	11. return the (RPE) after use to the supplier or manufacturer for specialist cleaning and restoration	17, 26, 39
	12. store (RPE) in designated storage ready for the next job	17, 26
Outcome 4 Use rescue equipment safely and in accordance with manufacturers' instructions	1. confirm all equipment and tools are suitable for the job before using them	6, 12, 14, 26
	2. confirm all personal protective equipment (PPE) is suitable and compatible with the (RPE) to be worn before using it	11, 26
	3. use the specified method to introduce equipment and tools into the confined space	18, 19, 26, 30
	4. recover and remove equipment and tools when permitted	18, 19, 26, 30
	5. follow manufacturers' and employer's instructions for after use checks, cleaning, disinfection, decontamination, and storage	18, 19, 26, 30
Outcome 5 Follow procedures and work safely	1. follow and maintain emergency procedures throughout the incident	23, 24, 25, 27, 28, 35
	2. follow safe working procedures and manufacturers' equipment instructions	26
	3. follow all employers' instructions and procedures	26
	4. act immediately to remedy any unsafe activity, equipment, and environmental conditions	29, 41

	5. regularly monitor atmospheric conditions within the confined space	12, 27, 41
	6. control risks adequately which arise during working	27, 29, 41
	7. use PPE specified for the job	2, 11, 26
	8. record environmental readings regularly and change the work activity to resolve problems shown by information from the monitoring equipment	12, 27, 29, 41
	9. communicate regularly with the work team at all stages of the rescue and recovery	13, 28
	10. confirm emergency communication links are working and the team is ready for entry	13, 28
	11. enter the confined space as prescribed for emergencies and maintain a safe means of escape	24, 25
	12. move within the confined space in a way which minimizes risk to yourself and does not cause further injury to the casualty	31, 33
	13. make reports and complete all documentation and deposit them with the designated people	38, 40
Outcome 6 Deal with emergencies	1. confirm the emergency arrangements, procedures and communications systems are in place before entry	7, 13, 28
	2. make the emergency arrangements known to all work team, support personnel, and off-site personnel	7, 20, 28
	3. get all rescue equipment on site as specified in emergency procedures	10, 18, 19, 26
	4. arrange for rescue equipment to be in place before allowing entry to confined space	6, 10, 18, 19, 22
	5. put emergency equipment, casualty recovery and handling devices in designated places	18, 19
	6. start emergency procedures immediately on becoming aware of a dangerous situation	23, 41
	7. use emergency equipment and apparatus	18, 19, 26
	8. put on PPE in response to emergency incident and check other team members comply with its wear and use	11, 26
	9. supervise use of emergency equipment	18, 19, 30, 33
	10. recover casualty to a safe location	31, 32, 33, 34
	11. assess and prioritise casualties	32, 36
	12. recover casualties to surface in a way which minimizes further injury	31, 33, 34
	13. record and report the emergency incident and its circumstances	38, 40
	14. administer basic first aid to a recovered surface casualty	32, 36
	15. maintain emergency communications	38, 28
	16. hand over to emergency services	36, 40
	17. secure the site for post-incident investigation	37, 38
Outcome 7 Use appropriate behaviour for carrying out emergency rescue and recovery of casualties from confined spaces	1. demonstrate that you are vigilant to possible risks and hazards	2, 12, 27, 41
Outcome 8	1. Understand the responsibilities to comply with the main principles of health & safety and environmental legislation and regulations	QP

Use appropriate knowledge for carrying out emergency rescue and recovery of casualties from confined spaces	2. Know about Industrial Standards	QP
	3. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	QP
	4. Know about the definition of confined spaces and their nature and characteristics	QP
	5. Know about definitions of hazardous situations and different types and categories of hazards	QP
	6. Know how emergency situations can arise in a confined space	QP
	7. Know about manufacturers' instructions relating to the use of equipment, tools, and different types of breathing apparatus	QP
	8. Know about manufacturers' instructions relating to the use of PPE	QP
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	QP
	10. Know about the limitations for using rescue equipment	QP
	11. Know about working as part of a team	QP
	12. Know about roles and responsibilities for dealing with emergencies	QP
	13. Know how to deal with injuries to personnel and the general public	QP
	14. Know how to deal with irregularities and abnormal situations	QP
	15. Know about different types and categories of emergency situation	QP
	16. Know about the implications of drink and drugs policies	QP
Outcome 9 Apply relevant industry standards for carrying out emergency rescue and recovery of casualties from confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	QP
	2. Understand the hazards, substances, and situations associated with contaminated atmospheres	QP
	3. Understand entry procedures for different types and classifications of confined spaces environments	1, 2, 3
	4. Understand how to carry out real-time assessment of risks and hazards	1, 27, 41
	5. Understand how to use work authorizations and permits	8, 26
	6. Understand procedures and methods of working suitable to different risk levels and local conditions	1, 2, 3, 7, 27
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local procedures	1, 2, 8
	11. Understand how to monitor conditions and work activity	12, 27, 41
	12. Understand decontamination procedures	26, 39
	13. Understand communications methods which are suitable for different sites and their conditions	QP
	14. Understand how to resolve problems speedily and with the designated personnel	29, 41
	15. Understand how to follow manufacturers' instructions for using equipment	26
	16. Understand how to prepare and check equipment	6, 10, 18, 19, 26
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	6, 10, 18, 19, 26

	18. Understand methods and techniques for using and wearing PPE	11, 26
	19. Understand how to prepare and use different types of breathing apparatus	11, 15, 16, 17, 39
	20. Understand how to use emergency rescue equipment	1, 8, 26, 30
	21. Understand how to use equipment to resuscitate casualties	19, 26
	22. Understand how to ensure the content of the emergency incident kit is complete	6, 10, 26
	23. Understand how to use maps and technical drawings	1, 2, 8
	24. Understand the responsibilities of a rescue team and its individual members	QP
	25. Understand the responsibilities of managing work teams	QP
	26. Understand procedures for dealing with emergencies	7, 23, 24, 25
	27. Understand rescue and recovery procedures	31, 32, 33, 34
	28. Understand communications and reporting systems for emergency situations	QP
	29. Understand how to site rescue equipment	7, 10, 18, 19, 26
	30. Understand how to use tally boards for deploying rescue team members	24, 26
	31. Understand how to use incident logs throughout rescue operations	26, 27, 28, 38, 40
	32. Understand how to plan for dealing with potential fatalities	QP
	33. Understand how to treat casualties and injuries	32, 33, 34, 36
	34. Understand how to prepare for and deal with weather conditions	QP
	35. Understand how to maintain sites for investigations following emergency and rescue situations	QP

6150-56 Working in Medium Risk Confined Spaces (Top Man) (Non-entrant)		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Prepare to work safely in medium risk confined spaces	1. prepare and check all equipment is in good order and electrical equipment is fully charged before entering the work site	4, 3
	2. obtain authorisation for entry and relevant health and safety information from designated personnel	1
	3. carry out a real-time risk assessment before starting work	6
	4. put in place and confirm isolation of any connecting services	7
	5. set up and put monitoring equipment in place	8
	6. set up, test, and confirm communications systems are working before moving away from the entry point	9
	7. confirm all team members know and understand their roles	14
	8. check all team members are in place before entry begins	15
Outcome 2 Oversee entry and exit at confined space in capacity of non-entrant	1. check atmospheric conditions are safe	7, 10, 11
	2. set up and check access equipment is safe	12, 13
	3. resolve any problems of work or team members with the designated personnel	17, 20, 31
	4. use special hoists and safety lines as set down in procedures	4, 13, 19
Outcome 3 Use equipment and tools safely and in accordance with manufacturers' instructions	1. check all equipment and tools are suitable for the job before using them	4
	2. check all personal protective equipment (PPE) is suitable before using it	2, 3
	3. resolve any problems with equipment and tools before and during their use	4, 17, 19, 20, 31
	4. use the specified method to introduce equipment and tools into the confined space	21
	5. recover and remove equipment and tools when work is finished	27
	6. follow manufacturers and employers instructions for after-use checks and storage	19, 27
Outcome 4 Follow procedures and work safely	1. use different methods of communication which suit the work situation	9, 14, 19, 24, 31
	2. control access of people and vehicles around the entry point	5, 19
	3. resolve any problems connected to the work with the designated personnel	17, 20, 31
	4. follow employers' safe working procedures and manufacturers' equipment instructions	16, 19
	5. act immediately to remedy any unsafe activity, equipment, and environmental conditions	17, 20, 31
	6. regularly monitor atmospheric conditions within the confined space	8, 17, 22, 31
	7. control risks adequately which arise during working	6, 17, 31
	8. use Personal Protective Equipment specified for the job	2, 3
	9. respond to information from monitoring equipment	8, 17, 22, 31
	10. communicate regularly with the work team at all stages of the work	9, 19, 24, 31
	11. close down and make the work area safe when work is finished	28

	12. make reports and complete all documentation and deposit them with the designated people	29, 30
Outcome 5 Deal with emergencies	1. start emergency exit procedures immediately a dangerous situation arises	22, 23, 24, 25
	2. record and report the emergency incident and its circumstances	29, 30
	3. maintain emergency communications.	24
Outcome 6 Use appropriate knowledge for working in medium risk confined spaces (non-entrant)	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	QP
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	QP
	3. Describe classifications of confined spaces and their nature and characteristics	QP
	4. Know about the definitions of hazardous situations and different types and categories of hazards	QP
	5. Know how emergency situations can arise in a confined space	QP
	6. Know about manufacturers' instructions relating to the use of equipment and tools	QP
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	QP
	8. Know about working as a member of a team	QP
	9. Know about the different roles and responsibilities for dealing with emergencies	QP
	10. Know how to deal with injuries to personnel and the general public	QP
	11. Know how to deal with irregularities and abnormal situations	QP
	12. Know about different types and categories of emergency situation	QP
Outcome 7 Apply relevant industry standards for working in medium risk confined spaces (non-entrant)	1. Map organisations' classifications into National Occupational Standards for confined spaces	QP
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	QP
	3. Understand entry procedures for medium risk confined spaces	10, 11, 18
	4. Understand how to carry out real-time assessment of risks and hazards	6, 17, 20
	5. Understand how to use work authorizations and permits	1, 19
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	6, 16, 19
	7. Understand how to minimise the risks and hazards for the work to be carried out	QP
	8. Understand how to use ventilation systems	QP
	9. Understand how to reduce risk and injury	QP
	10. Understand and use local site procedures	1, 14, 17
	11. Understand how to monitor conditions and work activity	6, 8, 17, 31
	12. Understand communications methods which are suitable for use in medium risk confined spaces	QP
	13. Understand how to resolve problems speedily and with the designated personnel	14, 17, 20
	14. Understand how to follow manufacturers' instructions for using equipment and tools	19

	15. Understand how to prepare and check equipment	3, 4, 8, 12, 13, 19
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	3, 4, 13, 19, 20, 21, 27
	17. Understand methods and techniques for using and wearing PPE	2, 19
	18. Understand how to prepare and use escape breathing apparatus	3, 19, 25, 27
	19. Understand reporting systems for routine work activities and resolving problems	20, 29, 30
	20. Understand procedures for dealing with emergencies	22, 23, 24, 25, 26, 29
	21. Understand communications and reporting systems for emergency situations	QP

6150-61 Manage Work in Confined Spaces		
Outcome	Practical Skill	Checklist X-ref
Outcome 1 Apply the relevant legislative and industry requirements for managing work in confined spaces	1.1 Identify work activities that involve confined spaces	Work based assessments
	1.2 Explain the meaning of specified risk and its relevance to confined spaces	Work based assessments
	1.3 Identify the typical classification of a confined space from its description and work task where relevant	Work based assessments
	1.4 Identify legislative and organisational requirements for work activities being undertaken in confined spaces	Work based assessments
	1.5 Identify the minimum numbers of persons required to undertake work activities in confined spaces	Work based assessments
	1.6 Develop a suitable and sufficient safe system of work	Work based assessments
	1.7 Identify the competencies of personnel required to work within confined spaces	Work based assessments
	1.8 Explain when and how permits to work are to be used to control work in confined spaces	Work based assessments
	1.9 Confirm all personnel understand their roles and responsibilities	Work based assessments
	1.10 Monitor the safe system of work	Work based assessments
	1.11 Audit the safe system of work	Work based assessments
	1.12 Review the safe system of work	Work based assessments
Outcome 2 Develop risk assessments relevant to confined spaces work activities	2.1 Identify the hazards associated with confined spaces	Work based assessments
	2.2 Identify who might be harmed by hazards and how	Work based assessments
	2.3 Evaluate the risks and the control measures required to mitigate them	Work based assessments
	2.4 Record the findings of risk assessments	Work based assessments
	2.5 Implement control measures following risk assessments	Work based assessments
	2.6 Review and update risk assessments to maintain health and safety	Work based assessments
Outcome 3 Identify suitable control measures for work activities to be undertaken in confined spaces	3.1 Use risk assessments to determine the type and number of control measures for hazards at confined space locations to ensure health and safety is maintained	Work based assessments
	3.2 Identify the necessary tests required to verify the effectiveness of control measures for hazards	Work based assessments
	3.3 Identify the hygiene procedures required for safe working at confined space locations	Work based assessments
	3.4 Identify records required associated with control measures and the frequency of their renewal	Work based assessments
Outcome 4 Develop safe working methods for confined spaces	4.1 Identify the composition, capabilities and numbers of work teams required to accomplish work at confined spaces	Work based assessments
	4.2 Identify the need for specialised equipment to control hazards	Work based assessments
	4.3 Communicate the order in which control of hazards is established, verified and maintained to the work team	Work based assessments
	4.4 Ensure that effective arrangements are made for dealing with emergency situations that may arise	Work based assessments
Outcome 5	5.1 Identify the work requiring a permit to work at confined spaces	Work based assessments

Establish effective procedures for using permits to work	5.2	Identify the personnel necessary to operate controls provided by permits to work	Work based assessments
	5.3	Ensure records and documents required by permits to work are completed	Work based assessments
	5.4	Establish procedures to ensure work teams are briefed on their role(s) and duties under permits to work	Work based assessments
Outcome 6 Develop effective emergency arrangements	6.1	Identify emergency responses to risk assessed tasks at confined spaces	Work based assessments
	6.2	Develop suitable and sufficient first aid arrangements including a consideration of resuscitation equipment	Work based assessments
	6.3	Ensure all personnel have the relevant competency for their role	Work based assessments
	6.4	Ensure that emergency response procedures and first aid arrangements are understood by the work team and any third party assistance	Work based assessments
Outcome 7 Implement and maintain effective arrangements for document storage, review and audit	7.1	ensure confined spaces documentation is completed and retained according to legislative and organisational requirements	Work based assessments
	7.2	Review documents used for work activities at confined spaces to ensure accurate records are maintained	Work based assessments
	7.3	Undertake audits of the management system used to control work activities at confined spaces to ensure that health and safety is maintained	Work based assessments
Outcome 8	8.1	Identify the principal legislation applying to working in confined spaces	QP
	8.2	Identify the approved codes of practice and guidance for working safely in confined spaces	QP
	8.3	List risk assessments that may need to be produced to comply with work activities being undertaken in a confined space	QP
	8.4	Describe the legislative duty placed upon employer, manager/supervisor and operator associated with confined space work activities	QP
	8.5	Describe organisational requirements relevant to confined space work activities	QP
Outcome 9 Understand how to develop risk assessments relevant to confined spaces work activities to be undertaken	9.1	Explain the 5-step process to producing risk assessments	QP
	9.2	Identify the hazards indigenous to confined space when undertaking work activities	QP
	9.3	Identify the hazards imported to confined space when undertaking work activities	QP
	9.4	Explain the hierarchy of hazard control required by statutes	QP
	9.5	Describe classification schemes used to determine the severity of hazards identified	Work based assessments
	9.6	Identify groups of people likely to be affected by work activities associated with confined spaces	QP
Outcome 10 Understand control measures for work activities to be	10.1	Identify competencies required for personnel involved in confined space work activities	QP
	10.2	Identify types of ventilation systems and circumstances in which their use would be most effective	QP

undertaken in confined spaces	10.3 Describe environmental monitoring equipment available for confined space work activities	QP
	10.4 Explain environmental monitoring regimes required to enable work to be undertaken safely	QP
	10.5 Describe equipment for accessing confined spaces	QP
	10.6 Explain equipment and tools compatible for environment of work	QP
	10.7 Describe methods of checking that equipment and tools are fit-for-purpose	QP
	10.8 Identify escape and working respiratory protective equipment (RPE) available for confined space work activities	QP
	10.9 Identify personal protective equipment (PPE) available for confined space work activities	QP
	10.10 Explain relevant measures for effectively controlling specified risks associated with confined space work activities	QP
	10.11 Explain how to evaluate the effectiveness of existing and proposed control measures	Work based assessment
	10.12 Identify decontamination procedures	QP
Outcome 11 Understand safe methods of work for confined spaces work activities	11.1 Identify principle elements needed for a safe method of work	Work based assessment
	11.2 Identify information sources available to assist in developing a safe method of work	Work based assessment
	11.3 Explain the sequence in which confined space work activities are to be carried out	QP
	11.4 Identify plant and equipment required to undertake work activities in confined spaces	QP
	11.5 Describe the roles and responsibilities of those involved in confined space work activities	QP
	11.6 Describe communication methods suitable for confined space work activity	QP
Outcome 12 Understand procedures for using permits to work	12.1 Identify when permits to work should be issued	QP
	12.2 Explain methods of issuing a permit to work	QP
	12.3 Explain the relevance of permits to work for confined space activities	QP
	12.4 Identify the principle elements needed for a permit to work	QP
	12.5 Describe the roles and responsibilities of personnel involved in confined space	QP
Outcome 13 Understand how to develop effective emergency arrangements	13.1 Describe how emergency situations can arise in a confined space	QP
	13.2 Describe the roles and responsibilities of personnel involved in confined space work activities should an emergency arise	QP
	13.3 Identify communications and reporting systems for emergency situations	QP
	13.4 Explain the procedures for dealing with emergencies	QP

	13.5 Identify the rescue equipment that may be used in confined spaces	QP
	13.6 Identify the first aid measures, including resuscitation, that may be used in confined spaces	QP
	13.7 Explain the procedures for dealing with the aftermath of an emergency	QP
Outcome 14 Understand procedures for reporting systems and risk assessments	14.1 Identify reporting systems for routine work activities and resolving problems	QP
	14.2 Explain the processes used to determine the frequency of reviewing risk assessments	QP

4.4 Delivery requirements of the Working in Confined Spaces (Strand C)

Centres **must** ensure that delivery personnel meet the following requirements

Human resources

In line with the sector skills council Energy & Utility's assessment strategy all **assessors, internal quality assurers** and **external quality assurers** involved in the delivery of the Confined Spaces qualifications must:

- Demonstrate a high level* of interpersonal and communication skills, comparable with at least the Key Skills and Core Skills (Communication) identified within "Develop productive working relationships with colleagues" (MSC D1)
- Have up-to-date knowledge of current practice and emerging issues within their industry and be aware there may be differences between the four UK countries
- Have a thorough understanding of the National Occupational Standards / assessment units for the qualifications they are assessing or quality assuring and be able to interpret them and offer advice on assessment-related matters
- Show experience and working knowledge of the assessment and quality assurance processes relating to the context in which they are working
- Demonstrate they have relevant and credible technical and/or industrial experience not more than 5 years old - at a level relevant to their role and the award
- Show they are able to act as an emissary of the awarding body and be able to facilitate consistency across centres
- Have or are working towards being qualified - Assessor or Quality Assurer units of competence (A or D units or V units or TAQA units) or working towards the appropriate TAQA (6317) qualification
- Demonstrate a commitment to continuing professional development and to keeping abreast of the changing environment and practices in confined spaces
- Demonstrate they have relevant and credible technical and/or industrial experience within the industry appropriate to these contexts – "Working in Confined Spaces"

Technical and Occupational Experience

Assessors and Internal Quality Assurers **must also** meet the following occupational and technical requirements for approval to assess and quality assure the Confined Spaces Qualifications:

i) Show at least two years' experience out of the previous five years of working in confined spaces in suitable sectors such as wider utilities, oil & gas, mining, civil engineering, nuclear etc. - this can include training or assessment in a vocational environment. The experience must include a thorough working knowledge of:

- current confined spaces regulations; Water UK's Occasional Guidance Note (OGN) – *for water qualifications*, and current National Occupational Standards (NOS)
- the dynamics producing the confined space.
- nature and implications of hazards in confined spaces
- the range and function of gas monitoring
- the selection and use of personal protective equipment (PPE) which is common and currently used.
- the range and function of breathing apparatus associated with the relevant risk level.
- the operation and use of safe systems of work, including permits to work schemes.

ii) Be able to demonstrate an ability to

- prepare assessment work sites and present instructions to assessment candidates effectively.
- discriminate between safe and unsafe candidate performance

Important: For the Emergency Rescue qualification (6150-05 and 6150-55) only, assessors must hold a basic first aid certificate in line with latest Water UK OGN requirements.

For all other confined spaces qualifications, assessors will not be required to hold a first aid certificate. This, however, does not remove the requirement to have at all times during the assessment immediate access to a person holding these certificates.

External Quality Assurers **must also** meet the following occupational and technical requirements for approval to quality assure the Confined Spaces Qualifications:

- i) Show technical and occupational experience in the utilities sector, which can include a training and assessment environment. They must also show an awareness of the following:
 - current confined spaces regulations
 - Water UK's Occasional Guidance Note (OGN)
 - Current confined spaces National Occupational Standards (NOS)
- ii) Be able to demonstrate an ability to:
 - discriminate between safe and unsafe candidate performance

4.5 Test specifications

The test specifications below effectively map the short answer questions contained in both papers A and B to the knowledge requirements of the units/NOS. Both papers confirm to the specification structures below.

The content of the 'outcome' and 'knowledge criteria' columns is identical to that found in all of the qualification units. The weighting column indicates the relative importance of particular knowledge criteria, which is represented by the number of marks allocated in the last column.

The key is: Low = 1; Medium = 2; High = 3

Knowledge criteria with 'practical' contained in their weighting columns are areas of knowledge implicitly captured through the practical observation and hence are **not** afforded allocation on the written test papers.

6150-01: Level 2 Award in Working in Low Risk Confined Spaces: Water

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 7 Use appropriate water industry knowledge for working in low risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about guidance relating to identifying a confined space and how to assess risk for working safely in confined spaces	Medium	2
	3. Know about the types of spaces that could become confined due to the presence of a hazard	Medium	2
	4. Know about the hazards that can produce a confined space	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers instructions relating to use of equipment	Medium	2
	7. Understand the roles when working as part of a team	Low	1
	8. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	9. Know how to deal with injuries to personnel and the general public	Medium	2
	10. Know how to deal with irregularities and abnormal situations	High	3
	11. Know about different types of emergency situation	High	3
Outcome 8 Apply water industry specific knowledge for working in low risk confined spaces	1. Understand different classification schemes and how to identify the confined space classification	Medium	2
	2. Understand entry procedures for low risk confined spaces	(Practical)	-
	3. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	4. Understand procedures and methods of working suitable to low risk environments and local conditions	(Practical)	-
	5. Understand how to reduce the risk to an acceptable level for the work to be carried out	High	3
	6. Understand and use local site procedures	(Practical)	-
	7. Understand how to monitor conditions and work activity	(Practical)	-
	8. Understand how to resolve problems speedily and with the designated personnel where other people or organizations are involved	(Practical)	-
	9. Know and understand the precautions to take when working alone	High	3
	10. Understand communications methods for keeping in contact with other people during work in low risk confined spaces	(Practical)	-
	11. Understand how to prepare and check equipment	Medium	2
	12. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	13. Understand reporting systems for routine and non-routine work activities and resolving problems	Medium	2
	14. Understand procedures for dealing with emergencies	(Practical)	-

	15. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 17	Marks: 39

6150-02: Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Entrant): Water

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate water industry knowledge for working in medium risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Describe classifications of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers' instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	Medium	2
	8. Know about working as a member of a team	Low	1
	9. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	10. Know how to deal with injuries to personnel and the general public	Medium	2
	11. Know how to deal with irregularities and abnormal situations	High	3
	12. Know about different types and categories of emergency situation	High	3
Outcome 9 Apply water industry standards for working in medium risk confined spaces	1. Explain different classification schemes and how to identify the confined space classification	Medium	2
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	High	3
	3. Understand entry procedures for medium risk confined spaces	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local site procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-

	12. Understand communications methods which are suitable for use in medium risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	14. Understand how to follow manufacturers' instructions for using equipment and tools	(Practical)	-
	15. Understand how to prepare and check equipment	(Practical)	-
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	17. Understand methods and techniques for using and wearing PPE	(Practical)	-
	18. Understand how to prepare and use escape breathing apparatus	(Practical)	-
	19. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	20. Understand procedures for dealing with emergencies	(Practical)	-
	21. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 19	Marks: 45

6150-03: Level 2 Award in Working in High Risk Confined Spaces: Water
Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate water industry knowledge for working in high risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Know about the definition of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers instructions relating to the use of self-contained open circuit breathing apparatus	Medium	2
	8. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	9. Know about working as a member of a team	Low	1
	10. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	11. Know how to deal with injuries to personnel and the general public	Medium	2
	12. Know how to refer irregularities and abnormal situations	High	3
	13. Know about different types and categories of emergency situation	High	
Outcome 9 Apply relevant water industry standards for working in high risk confined spaces	1. Understand the different classification schemes and how to identify the confined space classification	Medium	2
	2. Understand the hazards, substances, and situations associated with high risk confined spaces	High	3
	3. Understand entry procedures for high risk confined spaces	(Practical)	-
	4. Understand how to use work authorizations and permits	(Practical)	-
	5. Understand procedures and methods of working suitable to high risk environments and local conditions	(Practical)	-
	6. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	7. Understand how to use ventilation systems	Medium	2
	8. Understand how to reduce risk and injury	High	3
	9. Understand and use local site procedures	(Practical)	-
	10. Understand how to monitor conditions and work activity	(Practical)	-
	11. Understand decontamination procedures	(Practical)	-

	12. Understand communications methods which are suitable for use in high risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	14. Understand how to prepare and check equipment and tools	(Practical)	-
	15. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	16. Understand methods and techniques for using and wearing PPE	(Practical)	-
	17. Understand how to prepare and use self-contained open circuit breathing apparatus	(Practical)	-
	18. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	19. Understand procedures for dealing with emergencies	(Practical)	-
	20. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 20	Marks: 46

6150-05: Level 3 Award in Emergency Rescue and Recovery of Casualties from Confined Spaces: Water
Duration: 2 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate water industry knowledge for carrying out emergency rescue and recovery of casualties from confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about Industrial Standards	Low	1
	3. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	Medium	2
	4. Know about the definition of confined spaces and their nature and characteristics	High	3
	5. Know about definitions of hazardous situations and different types and categories of hazards	High	3
	6. Know how emergency situations can arise in a confined space	High	3
	7. Know about manufacturers' instructions relating to the use of equipment, tools, and different types of breathing apparatus	Medium	2
	8. Know about manufacturers' instructions relating to the use of PPE	Medium	2
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	10. Know about the limitations for using rescue equipment	Medium	2
	11. Know about working as part of a team	High	3
	12. Know about roles and responsibilities for dealing with emergencies	Medium	2
	13. Know how to deal with injuries to personnel and the general public	High	3
	14. Know how to deal with irregularities and abnormal situations	High	3
	15. Know about different types and categories of emergency situation	High	3
	16. Know about the implications of drink and drugs policies	High	3
Outcome 9 Apply relevant water industry standards for carrying out emergency rescue and recovery of casualties from confined spaces	1. Understand different classification schemes for confined spaces	Low	1
	2. Understand the hazards, substances, and situations associated with contaminated atmospheres	High	3
	3. Understand entry procedures for different types and classifications of confined spaces environments	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to different risk levels and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3

	10. Understand and use local procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand decontamination procedures	(Practical)	-
	13. Understand communications methods which are suitable for different sites and their conditions	Medium	2
	14. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	15. Understand how to follow manufacturers' instructions for using equipment	(Practical)	-
	16. Understand how to prepare and check equipment	(Practical)	-
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	18. Understand methods and techniques for using and wearing PPE	(Practical)	-
	19. Understand how to prepare and use different types of breathing apparatus	(Practical)	-
	20. Understand how to use emergency rescue equipment	(Practical)	-
	21. Understand how to use equipment to resuscitate casualties	(Practical)	-
	22. Understand how to ensure the content of the emergency incident kit is complete	(Practical)	-
	23. Understand how to use maps and technical drawings	(Practical)	-
	24. Understand the responsibilities of a rescue team and its individual members	High	3
	25. Understand the responsibilities of managing work teams	Medium	2
	26. Understand procedures for dealing with emergencies	(Practical)	-
	27. Understand rescue and recovery procedures	(Practical)	-
	28. Understand communications and reporting systems for emergency situations	High	3
	29. Understand how to site rescue equipment	(Practical)	-
	30. Understand how to use tally boards for deploying rescue team members	(Practical)	-
	31. Understand how to use incident logs throughout rescue operations	(Practical)	-
	32. Understand how to plan for dealing with potential fatalities	Medium	2
	33. Understand how to treat casualties and injuries	(Practical)	-
	34. Understand how to prepare for and deal with weather conditions	Medium	2
	35. Understand how to maintain sites for investigations following emergency and rescue situations	Medium	2
	TOTAL	Questions: 28	Marks: 65

6150-06: Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Non-entrant):
Water

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 6 Use appropriate water industry knowledge for working in medium risk confined spaces (non-entrant)	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Describe classifications of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers' instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	Medium	2
	8. Know about working as a member of a team	Low	1
	9. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	10. Know how to deal with injuries to personnel and the general public	Medium	2
	11. Know how to deal with irregularities and abnormal situations	High	3
	12. Know about different types and categories of emergency situation	High	3
Outcome 7 Apply water industry standards for working in medium risk confined spaces (non-entrant)	1. Explain different classification schemes and how to identify the confined space classification	Medium	2
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	High	3
	3. Understand entry procedures for medium risk confined spaces	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local site procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand communications methods which are suitable for use in medium risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-

	14. Understand how to follow manufacturers' instructions for using equipment and tools	(Practical)	-
	15. Understand how to prepare and check equipment	(Practical)	-
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	17. Understand methods and techniques for using and wearing PPE	(Practical)	-
	18. Understand how to prepare and use escape breathing apparatus	(Practical)	-
	19. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	20. Understand procedures for dealing with emergencies	(Practical)	-
	21. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 19	Marks: 45

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 6 Use appropriate water industry knowledge for carrying out Top Man / Person work in confined spaces in the water industry	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about Industrial Standards	Low	1
	3. Have a working knowledge of the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	4. Know about the definition of confined spaces and their nature and characteristics	High	3
	5. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	6. Know how emergency situations can arise in a confined space	High	3
	7. Know about manufacturers' instructions relating to the use of equipment, tools and breathing apparatus	Medium	2
	8. Know about manufacturers' instructions relation to the use of PPE	Medium	2
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	10. Know about the limitations for using rescue equipment	Medium	2
	11. Know about working as a member of a team	Low	1
	12. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	13. Know how to deal with injuries to personnel and the general public	Medium	2
	14. Know how to deal with irregularities and abnormal situations	High	3
	15. Know about the different types and categories of emergency situation	High	3
Outcome 7 Apply relevant water industry standards for carrying out work in confined spaces in the water industry	1. Understand the different classification schemes for confined spaces	Medium	2
	2. Understand the hazards, substances and situations associated with contaminated atmospheres	High	3
	3. Understand entry procedures for different types and risk levels of confined spaces environments	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to the confined space risk level and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local procedures	(Practical)	-

	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand decontamination procedures	(Practical)	-
	13. Understand communications methods which are suitable for the site and its conditions	Medium	2
	14. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	15. Understand how to follow manufacturers' instructions for using equipment	(Practical)	-
	16. Understand how to prepare and check equipment	(Practical)	-
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	18. Understand methods and techniques for using and wearing PPE	(Practical)	-
	19. Understand how to prepare and use escape breathing apparatus	High	3
	20. Understand how to prepare and use self-contained breathing apparatus	High	3
	21. Understand the responsibilities of a rescue team and its individual members	High	3
	22. Understand the responsibilities of managing work teams	High	3
	23. Understand reporting systems for routine work activities and resolving problems	Medium	2
	24. Understand procedures for dealing with emergencies	(Practical)	-
	25. Understand rescue and recovery procedures in emergency situations	(Practical)	-
	26. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 27	Marks: 63

6150-51: Level 2 Award in Working in Low Risk Confined Spaces

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 7 Use appropriate industry knowledge for working in low risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about guidance relating to identifying a confined space and how to assess risk for working safely in confined spaces	Medium	2
	3. Know about the types of spaces that could become confined due to the presence of a hazard	Medium	2
	4. Know about the hazards that can produce a confined space	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers instructions relating to use of equipment	Medium	2
	7. Understand the roles when working as part of a team	Low	1
	8. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	9. Know how to deal with injuries to personnel and the general public	Medium	2
	10. Know how to deal with irregularities and abnormal situations	High	3
	11. Know about different types of emergency situation	High	3
Outcome 8 Apply relevant industry standards for working in low risk confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Medium	2
	2. Understand entry procedures for low risk confined spaces	(Practical)	-
	3. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	4. Understand procedures and methods of working suitable to low risk environments and local conditions	(Practical)	-
	5. Understand how to reduce the risk to an acceptable level for the work to be carried out	High	3
	6. Understand and use local site procedures	(Practical)	-
	7. Understand how to monitor conditions and work activity	(Practical)	-
	8. Understand how to resolve problems speedily and with the designated personnel where other people or organizations are involved	(Practical)	-
	9. Know and understand the precautions to take when working alone	High	3
	10. Understand communications methods for keeping in contact with other people during work in low risk confined spaces	(Practical)	-
	11. Understand how to prepare and check equipment	Medium	2
	12. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	13. Understand reporting systems for routine and non-routine work activities and resolving problems	Medium	2
	14. Understand procedures for dealing with emergencies	(Practical)	-

	15. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions:17	Marks: 39

6150-52: Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Entrant)

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate industry knowledge for working in medium risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Describe classifications of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers' instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	Medium	2
	8. Know about working as a member of a team	Low	1
	9. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	10. Know how to deal with injuries to personnel and the general public	Medium	2
	11. Know how to deal with irregularities and abnormal situations	High	3
	12. Know about different types and categories of emergency situation	High	3
Outcome 9 Apply relevant industry standards for working in medium risk confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Medium	2
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	High	3
	3. Understand entry procedures for medium risk confined spaces	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local site procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-

	12. Understand communications methods which are suitable for use in medium risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	14. Understand how to follow manufacturers' instructions for using equipment and tools	(Practical)	-
	15. Understand how to prepare and check equipment	(Practical)	-
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	17. Understand methods and techniques for using and wearing PPE	(Practical)	-
	18. Understand how to prepare and use escape breathing apparatus	(Practical)	-
	19. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	20. Understand procedures for dealing with emergencies	(Practical)	-
	21. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 19	Marks: 45

6150-53: Level 2 Award in Working in High Risk Confined Spaces

Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate industry knowledge for working in high risk confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Know about the definition of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers instructions relating to the use of self-contained open circuit breathing apparatus	Medium	2
	8. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	9. Know about working as a member of a team	Low	1
	10. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	11. Know how to deal with injuries to personnel and the general public	Medium	2
	12. Know how to refer irregularities and abnormal situations	High	3
	13. Know about different types and categories of emergency situation	High	
Outcome 9 Apply relevant industry standards for working in high risk confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Medium	2
	2. Understand the hazards, substances, and situations associated with high risk confined spaces	High	3
	3. Understand entry procedures for high risk confined spaces	(Practical)	-
	4. Understand how to use work authorizations and permits	(Practical)	-
	5. Understand procedures and methods of working suitable to high risk environments and local conditions	(Practical)	-
	6. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	7. Understand how to use ventilation systems	Medium	2
	8. Understand how to reduce risk and injury	High	3
	9. Understand and use local site procedures	(Practical)	-
	10. Understand how to monitor conditions and work activity	(Practical)	-
	11. Understand decontamination procedures	(Practical)	-

	12. Understand communications methods which are suitable for use in high risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	14. Understand how to prepare and check equipment and tools	(Practical)	-
	15. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	16. Understand methods and techniques for using and wearing PPE	(Practical)	-
	17. Understand how to prepare and use self-contained open circuit breathing apparatus	(Practical)	-
	18. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	19. Understand procedures for dealing with emergencies	(Practical)	-
	20. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 20	Marks: 46

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 6 Use appropriate industry knowledge for carrying out Top Man / Person work in confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about Industrial Standards	Low	1
	3. Have a working knowledge of the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	4. Know about the definition of confined spaces and their nature and characteristics	High	3
	5. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	6. Know how emergency situations can arise in a confined space	High	3
	7. Know about manufacturers' instructions relating to the use of equipment, tools and breathing apparatus	Medium	2
	8. Know about manufacturers' instructions relation to the use of PPE	Medium	2
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	10. Know about the limitations for using rescue equipment	Medium	2
	11. Know about working as a member of a team	Low	1
	12. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	13. Know how to deal with injuries to personnel and the general public	Medium	2
	14. Know how to deal with irregularities and abnormal situations	High	3
	15. Know about the different types and categories of emergency situation	High	3
Outcome 7 Apply relevant industry standards for carrying out work in confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Medium	2
	2. Understand the hazards, substances and situations associated with contaminated atmospheres	High	3
	3. Understand entry procedures for different types and risk levels of confined spaces environments	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to the confined space risk level and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3

	10. Understand and use local procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand decontamination procedures	(Practical)	-
	13. Understand communications methods which are suitable for the site and its conditions	Medium	2
	14. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	15. Understand how to follow manufacturers' instructions for using equipment	(Practical)	-
	16. Understand how to prepare and check equipment	(Practical)	-
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	18. Understand methods and techniques for using and wearing PPE	(Practical)	-
	19. Understand how to prepare and use escape breathing apparatus	High	3
	20. Understand how to prepare and use self-contained breathing apparatus	High	3
	21. Understand the responsibilities of a rescue team and its individual members	High	3
	22. Understand the responsibilities of managing work teams	High	3
	23. Understand reporting systems for routine work activities and resolving problems	Medium	2
	24. Understand procedures for dealing with emergencies	(Practical)	-
	25. Understand rescue and recovery procedures in emergency situations	(Practical)	-
	26. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 27	Marks: 63

6150-55: Level 3 Award in Emergency Rescue and Recovery of Casualties from Confined Spaces**Duration:** 2 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 8 Use appropriate industry knowledge for carrying out emergency rescue and recovery of casualties from confined spaces	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Know about Industrial Standards	Low	1
	3. Have a working knowledge of approved codes of practice and guidance for working safely in confined spaces	Medium	2
	4. Know about the definition of confined spaces and their nature and characteristics	High	3
	5. Know about definitions of hazardous situations and different types and categories of hazards	High	3
	6. Know how emergency situations can arise in a confined space	High	3
	7. Know about manufacturers' instructions relating to the use of equipment, tools, and different types of breathing apparatus	Medium	2
	8. Know about manufacturers' instructions relating to the use of PPE	Medium	2
	9. Know about legislation and approved codes of practice and guidelines for safe use of breathing apparatus	Low	1
	10. Know about the limitations for using rescue equipment	Medium	2
	11. Know about working as part of a team	High	3
	12. Know about roles and responsibilities for dealing with emergencies	Medium	2
	13. Know how to deal with injuries to personnel and the general public	High	3
	14. Know how to deal with irregularities and abnormal situations	High	3
	15. Know about different types and categories of emergency situation	High	3
	16. Know about the implications of drink and drugs policies	High	3
Outcome 9 Apply relevant industry standards for carrying out emergency rescue and recovery of casualties from confined spaces	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Low	1
	2. Understand the hazards, substances, and situations associated with contaminated atmospheres	High	3
	3. Understand entry procedures for different types and classifications of confined spaces environments	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to different risk levels and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2

	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand decontamination procedures	(Practical)	-
	13. Understand communications methods which are suitable for different sites and their conditions	Medium	2
	14. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-
	15. Understand how to follow manufacturers' instructions for using equipment	(Practical)	-
	16. Understand how to prepare and check equipment	(Practical)	-
	17. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	18. Understand methods and techniques for using and wearing PPE	(Practical)	-
	19. Understand how to prepare and use different types of breathing apparatus	(Practical)	-
	20. Understand how to use emergency rescue equipment	(Practical)	-
	21. Understand how to use equipment to resuscitate casualties	(Practical)	-
	22. Understand how to ensure the content of the emergency incident kit is complete	(Practical)	-
	23. Understand how to use maps and technical drawings	(Practical)	-
	24. Understand the responsibilities of a rescue team and its individual members	High	3
	25. Understand the responsibilities of managing work teams	Medium	2
	26. Understand procedures for dealing with emergencies	(Practical)	-
	27. Understand rescue and recovery procedures	(Practical)	-
	28. Understand communications and reporting systems for emergency situations	High	3
	29. Understand how to site rescue equipment	(Practical)	-
	30. Understand how to use tally boards for deploying rescue team members	(Practical)	-
	31. Understand how to use incident logs throughout rescue operations	(Practical)	-
	32. Understand how to plan for dealing with potential fatalities	Medium	2
	33. Understand how to treat casualties and injuries	(Practical)	-
	34. Understand how to prepare for and deal with weather conditions	Medium	2
	35. Understand how to maintain sites for investigations following emergency and rescue situations	Medium	2
	TOTAL	Questions: 28	Marks: 65

6150-56: Level 2 Award in Working in Medium Risk Confined Spaces (Top Man) (Non-entrant)
Duration: 1.5 hours

Outcome	Knowledge criteria	Weighting	No. of marks
Outcome 6 Use appropriate industry knowledge for working in medium risk confined spaces (non-entrant)	1. Understand their responsibilities to comply with the main principles of health and safety and environmental legislation and regulations	Low	1
	2. Explain the approved codes of practice and guidance for working safely in confined spaces	Medium	2
	3. Describe classifications of confined spaces and their nature and characteristics	High	3
	4. Know about the definitions of hazardous situations and different types and categories of hazards	High	3
	5. Know how emergency situations can arise in a confined space	High	3
	6. Know about manufacturers' instructions relating to the use of equipment and tools	Medium	2
	7. Know about manufacturers' instructions relating to the use of escape breathing apparatus	Medium	2
	8. Know about working as a member of a team	Low	1
	9. Know about the different roles and responsibilities for dealing with emergencies	Medium	2
	10. Know how to deal with injuries to personnel and the general public	Medium	2
	11. Know how to deal with irregularities and abnormal situations	High	3
	12. Know about different types and categories of emergency situation	High	3
Outcome 7 Apply relevant industry standards for working in medium risk confined spaces (non-entrant)	1. Map own organisations' classifications into National Occupational Standards for confined spaces	Medium	2
	2. Identify the hazards and substances, associated with working in medium risk confined spaces	High	3
	3. Understand entry procedures for medium risk confined spaces	(Practical)	-
	4. Understand how to carry out real-time assessment of risks and hazards	(Practical)	-
	5. Understand how to use work authorizations and permits	(Practical)	-
	6. Understand procedures and methods of working suitable to medium risk environments and local conditions	(Practical)	-
	7. Understand how to minimise the risks and hazards for the work to be carried out	High	3
	8. Understand how to use ventilation systems	Medium	2
	9. Understand how to reduce risk and injury	High	3
	10. Understand and use local site procedures	(Practical)	-
	11. Understand how to monitor conditions and work activity	(Practical)	-
	12. Understand communications methods which are suitable for use in medium risk confined spaces	Medium	2
	13. Understand how to resolve problems speedily and with the designated personnel	(Practical)	-

	14. Understand how to follow manufacturers' instructions for using equipment and tools	(Practical)	-
	15. Understand how to prepare and check equipment	(Practical)	-
	16. Understand how to ensure equipment and tools are fit-for-purpose and how to use them safely	(Practical)	-
	17. Understand methods and techniques for using and wearing PPE	(Practical)	-
	18. Understand how to prepare and use escape breathing apparatus	(Practical)	-
	19. Understand reporting systems for routine work activities and resolving problems	(Practical)	-
	20. Understand procedures for dealing with emergencies	(Practical)	-
	21. Understand communications and reporting systems for emergency situations	High	3
	TOTAL	Questions: 19	Marks: 45

6150-61: Level 5 Award in Manage Work in Confined Spaces

Duration: 2 hour 40 minutes

Outcome	Knowledge criteria	No of marks
Outcome 8 Understand legislative and industry confined space requirements for managing work in confined spaces	8.1 Identify the principal legislation applying to working in confined spaces	13
	8.4 Describe the legislative duty placed upon employer, manager/supervisor and operator associated with confined space work activities	
	8.2 Identify the approved codes of practice and guidance for working safely in confined spaces	16
	8.5 Describe organisational requirements relevant to confined space work activities	
	8.3 List risk assessments that may need to be produced to comply with work activities being undertaken in a confined space	10
	9.1 Explain the 5-step process to producing risk assessments	
Outcome 9 Understand how to develop risk assessments relevant to confined spaces work activities to be undertaken	14.2 Explain the processes used to determine the frequency of reviewing risk assessments	
	9.2 Identify the hazards indigenous to confined space when undertaking work activities	4
	9.3 Identify the hazards imported to confined space when undertaking work activities	4
	9.4 Explain the hierarchy of hazard control required by statutes	5
Outcome 10 Understand control measures for work activities to be undertaken in confined spaces	9.6 Identify groups of people likely to be affected by work activities associated with confined spaces	4
	10.1 Identify competencies required for personnel involved in confined space work activities	8
	11.5 Describe the roles and responsibilities of those involved in confined space work activities	
	12.5 Describe the roles and responsibilities of personnel involved in confined space	
	13.2 Describe the roles and responsibilities of personnel involved in confined space work activities should an emergency arise	
	10.2 Identify types of ventilation systems and circumstances in which their use would be most effective	6
	10.3 Describe environmental monitoring equipment available for confined space work activities	3
	10.4 Explain environmental monitoring regimes required to enable work to be undertaken safely	6
	10.5 Describe equipment for accessing confined spaces	9

	10.6 Explain equipment and tools compatible for environment of work	7
	10.7 Describe methods of checking that equipment and tools are fit-for-purpose	
	11.4 Identify plant and equipment required to undertake work activities in confined spaces	
	10.8 Identify escape and working respiratory protective equipment (RPE) available for confined space work activities	5
	10.9 Identify personal protective equipment (PPE) available for confined space work activities	12
	10.10 Explain relevant measures for effectively controlling specified risks associated with confined space work activities	10
	10.12 Identify decontamination procedures	6
Outcome 11 Understand safe methods of work for confined spaces work activities	11.3 Explain the sequence in which confined space work activities are to be carried out	8
	11.6 Describe communication methods suitable for confined space work activity	5
	13.3 Identify communications and reporting systems for emergency situations	
Outcome 12 Understand procedures for using permits to work	12.1 Identify when permits to work should be issued	4
	12.3 Explain the relevance of permits to work for confined space activities	
	12.2 Explain methods of issuing a permit to work	8
	12.4 Identify the principle elements needed for a permit to work	
Outcome 13 Understand how to develop effective emergency arrangements	13.1 Describe how emergency situations can arise in a confined space	6
	13.4 Explain the procedures for dealing with emergencies	10
	13.7 Explain the procedures for dealing with the aftermath of an emergency	
	13.5 Identify the rescue equipment that may be used in confined spaces	10
	13.6 Identify the first aid measures, including resuscitation, that may be used in confined spaces	
Outcome 14 Understand procedures for reporting systems and risk assessments	14.1 Identify reporting systems for routine work activities and resolving problems	4
Total	Total number of questions 23	183 marks

5 Advice for centre co-ordinators on Walled Garden requirements for 6150 Working in Confined Spaces

This advice is intended to assist centre coordinators when accessing the Walled Garden for 6150.

The qualifications are designed in the following way:

1. The main number for all of the qualifications is 6150
2. Each 6150 qualification has a complex number associated with it (e.g. 6150-01; 6150-02; 6150-51 etc.)
3. Within this complex number are unit numbers attached to the respective assessments - either written or practical.

Candidates are required to pass **both** the written and practical assessments in order to achieve the qualification, and hence the full certificate. This means that **only** a full qualification certificate will be issued and no certificates of unit credit (CUCs).

On the Walled Garden, centres will only be required to undertake a 'Results Entry' for successful candidates who have passed **both** the practical and written assessments, which will need to be submitted separately (apart from 6150-14).

The design of the 6150 is as follows (For City & Guilds purposes 'centre devised' on the Walled Garden indicates written assessments)

6150-01 Level 2 in Working in low risk confined spaces: water

Unit 001 – Centre devised written assessment

Unit 002 – Practical assessment

6150-02 Level 2 Award in Working in Medium Risk Confined Spaces in the Water Industry Unit 003 – Centre devised written assessment

Unit 004 – Practical assessment

6150-03 Level 2 in Working in high risk confined spaces: water

Unit 005 – Centre devised written assessment

Unit 006 – Practical assessment

6150-14 Level 3 Award in Top Man / Person for High Risk Confined Spaces: Water

Unit 301 – Centre devised written assessment and Practical assessment

6150-05 Level 3 in Emergency rescue and recovery from confined spaces: water

Unit 009 – Centre devised written assessment

Unit 010 – Practical assessment

6150-06 Level 2 Working in Medium Risk Confined Spaces in the Water Industry (non-entrant)

Unit 011 – Centre devised written assessment

Unit 012 – Practical assessment

6150-51 Level 2 in Working in low risk confined spaces

Unit 501 – Centre devised written assessment

Unit 502 – Practical assessment

6150-52 Level 2 in Working medium risk confined spaces (Top Man) (Non-Entrant)

Unit 503 – Centre devised written assessment

Unit 504 – Practical assessment

6150-53 Level 2 in Working in high risk confined spaces

Unit 505 – Centre devised written assessment

Unit 506 – Practical assessment

6150-54 Level 3 Award in Top Person for High Risk Confined Spaces

Unit 507 – Centre devised written assessment

Unit 508 – Practical assessment

6150-55 Level 3 in Emergency rescue and recovery from confined spaces

Unit 509 – Centre devised written assessment

Unit 510 – Practical assessment

6150-56 Level 2 in Working in Medium Risk Confined Spaces (Top Person) (Non-entrant)

Unit 511 – Centre devised written assessment

Unit 512 – Practical assessment

6150-61 Level 5 Award in Manage Work in Confined Spaces

Unit 514 – Written Assignment

Unit 515 – Practical Assignment

Useful contacts

UK learners E: learnersupport@cityandguilds.com

General qualification information

Centres

E: centresupport@cityandguilds.com

Exam entries, Certificates,
Registrations/enrolment, Invoices,
Missing or late exam materials,
Nominal roll reports, Results

Walled Garden

E: walledgarden@cityandguilds.com

Re-issue of password or username,
Technical problems, Entries, Results,
e-assessment, Navigation,
User/menu option, Problems

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