



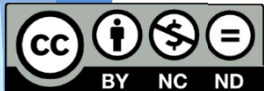
1° Convegno Nazionale *Confined Spaces or Black Hole?*

Formazione secondo gli standard
internazionali dell'Industrial Rope Access
Trade Association (IRATA)

Massimo Rognoni



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Attiva dal 1980, **IRATA** è una realtà che conta:
piu' di 37.000 tecnici operativi in tutto il mondo
oltre 300 aziende associate nel mondo
oltre 250 scuole di formazione
oltre 50 associati tra produttori di varie categorie,
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Legislation

Health & safety at work act 1974:

- This act in simple terms governs all other legislation involved with working and allows for other legislation to be introduced where necessary. It also states that everyone involved with the work is responsible for safety at all levels.

Management of the health & safety at work act:

- Regulation 3 requires employers to carry out risk assessments and method statements

Work at height regulations 2005:

- Control all work at height through risk assessment based legislation.





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Legislation

- PUWER; Provision and use of work equipment regulations. Controls all equipment used in the working environment.
- RIDDOR; Reporting of injuries diseases and dangerous occurrence regulations. HSE/HSC Lost time accident reporting system.
- COSHH; Control of substances hazardous to health.

Note: coshh assessments have been put in place to primarily protect the worker not his or her equipment





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Legislation

Confined Space Regulations 1997:

- The regulations require:
- Identification of a confined space
- The work to be done from outside where reasonably practicable
- Formal risk assessment
- Rescue arrangements





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Legislation

Confined Space Regulations 1997:

- The confined Spaces regulations apply in all premises and work situations subject to the Health and Safety at Work Act 1974.
- Exceptions are:
 - Diving operations
 - Mining Operations





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Legislation

Confined Space Regulations 1997:

Definition of a confined space:

- ❑ ***“Confined space” means any place, including any chamber, tank, vat, silo, pit, trench, pipe, sewer, flue, well or other similar space in which, by virtue of its enclosed nature, there arises a reasonably foreseeable specified risk.***





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Course Schedule

- Working in low risk confined spaces
- Working in medium risk confined spaces
- Working in high risk confined spaces
- Top Man / Person for High Risk Confined Spaces
- Emergency rescue and recovery of casualties from confined spaces





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Course Programme: Confined Space Level 1

For those candidates that may be required to enter confined spaces with breathable atmospheres.

Theory:

- The course will give an awareness of the Confined spaces regulations and related legislation such as the work at height regulations. An understanding of risk assessment, method statement and the hazards relating to working in confined spaces
- The candidate will also have an awareness of how emergencies arise and the need to follow prepared emergency procedures including basic theory of breathable and toxic gases

Practical:

The candidate will be:

- Shown and be able to use basic work at height PPE
- Shown and be able to use a ten minute escape set & an appropriate gas detection meter

Shown and be able to use a safety line





Course Programme: Confined Space Level 1

Employer specific on site training should include:

- ✓ Likely causes of an emergency
- ✓ Use of appropriate PPE
- ✓ Emergency procedures, alarms and contact with the emergency services.
- ✓ Methods of shutting down adjacent plant
- ✓ Fire fighting





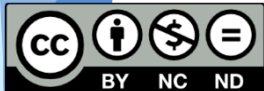
Course Programme: Confined Space Level 1

Regulation 3 of the Health and safety at work regulations state that risk assessments should be carried out.

Two types of risk assessment; Generic & Specific.

Five Steps to Risk Assessment:

1. Identify the hazards
2. Identify who is at risk and why
3. Evaluate the risks and decide on the action
4. Record the findings
5. Review the findings





Course Programme: Confined Space Level 1

Likely hazards include:

- ✓ Flammable substances and oxygen enrichment.
- ✓ Toxic gas, fumes or vapours
- ✓ Ignition of airborne vapours
- ✓ Oxygen deficiency
- ✓ Ingress or presence of liquids
- ✓ Solid materials which can flow
- ✓ Presence of excessive heat



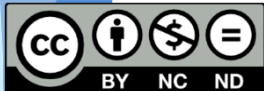


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Course Programme: Confined Space Level 1

- ✓ Control procedures for gas hoses and Pipelines and measures to control static electricity
- ✓ Arrangements for access and egress and emergency rescue procedures
- ✓ Fire prevention to include material storage and smoking.





Course Programme: Confined Space Level 1

Regulation 4(2) requires that no person shall enter a confined space unless a safe system of work is in place.

- ✓ Permits to work
- ✓ Supervision
- ✓ Competence and suitability of workers
- ✓ Provision of communications
- ✓ Testing of confined space atmosphere
- ✓ Confined space purging, cleaning, ventilation
- ✓ Isolations
- ✓ PPE





Course Programme: Confined Space Level 1

Regulation 5 prohibits entry into a confined space unless suitable rescue arrangements have been provided.

- ✓ Risk to the rescuer to be as low as is reasonably practicable
- ✓ Resuscitation equipment should be provided where necessary
- ✓ Should an emergency arise, the rescue plan should be able to be initiated immediately.



Course Programme: Confined Space Level 1

Morning:

- Current Legislation
- Risk assessment
- Breathable Atmosphere
- Use of portable gas detectors
- The 10 minute escape set
- Lifelines





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Course Programme: Confined Space Level 1

Afternoon:

- Types of confined spaces
- Planning a confined space project
- Rescue equipment.
- Confined space exercise
- Use of tripods and hauling equipment





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