## TSC Category

**Workplace Safety and Health**

### TSC

**Confined Space Work**

### TSC Description

Perform the duties of an entrant and attendant, with proper supervision and safety precautions, when working in confined spaces.

### TSC Proficiency Description

<table>
<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
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<th>Level 6</th>
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</thead>
<tbody>
<tr>
<td><strong>Perform work in confined spaces</strong></td>
<td>STP-WSH-1001-1.1</td>
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<td>STP-WSH-3001-1.1</td>
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<td><strong>Supervise work in confined space operations</strong></td>
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#### Knowledge

- Legal requirements relating to confined space work
- Duties and responsibilities of personnel in confined space work, supervisors, confined space safety assessors, rescue personnel and authorised managers
- Types of personal protective equipment (PPE) and respiratory protection equipment for confined spaces
- Types of safety and warning signs related to confined space work
- Types of hazards and risks related to confined space work
- Types of common gas detection instruments, their uses and limitations
- Permit-to-Work (PTW) systems and safe work procedures for working in confined space
- Emergency responses and rescue operation plans
- Self-rescue procedures

- Legal requirements relating to confined space work
- Duties and responsibilities of personnel in confined space work, supervisors, confined space safety assessors, rescue personnel and authorised managers
- Optimum and acceptable atmospheric conditions for safe entry and continual work in confined spaces
- Risks when working in confined spaces, likelihood and severity of consequences
- Symptoms of persons exposed to typical atmospheric hazards
- Control measures to eliminate atmospheric, physical and biological hazards in confined spaces
- Permit-to-Work (PTW) systems and safe work procedures for working in confined space

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<table>
<thead>
<tr>
<th>Abilities</th>
<th>SKILLS FRAMEWORK FOR SEA TRANSPORT TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT</th>
</tr>
</thead>
</table>
| • Rescue and retrieval techniques for injured personnel | • Elements of confined space entry programmes  
• Types of common gas meter detectors, their uses and limitations  
• Methods to inspect and maintain PPE and respiratory protective equipment |
| • Store, prepare and maintain PPE and respiratory protection equipment  
• Perform atmospheric monitoring using gas detection instruments  
• Comply with methods to prevent and control hazards in confined spaces  
• Comply with PTW systems and safe work procedures when working in confined spaces  
• Participate in confined space emergency simulations | • Communicate legal requirements for working in confined spaces to workers  
• Propose optimum and acceptable atmospheric conditions for safe entry and continual work in confined spaces  
• Identify, prevent and control hazards in confined spaces  
• Use systematic approaches to apply Confined Space Entry Permit systems  
• Apply gas detection instruments and other control measures when working in confined spaces  
• Implement the safe use of PPE and respiratory protective equipment when working in confined spaces |