## cTSC Category: Safety

### TSC: Incident and Accident Investigation

**TSC Description:** Investigate workplace safety and health incidents and accidents based on root cause analysis and identification of corrective actions to prevent recurrences

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<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
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<td>Respond to and support the investigation of workplace safety and health (WSH) incidents</td>
<td>Analyse workplace safety and health (WSH) incident and facilitate the identification of root causes and corrective actions</td>
<td>Develop and review workplace safety and health (WSH) incident investigation procedures</td>
<td>Lead incident panel review and drive improvements to the incident and accident investigation and response process</td>
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### Knowledge

- Workplace Safety and Health (WSH) incident investigation procedures and methods
- Types of incidents and accidents for investigation related to the marine industry
- Principles of immediate hazard isolation
- Methods of immediate medical assistance
- Methods of incident notification
- Methods to cordon incident sites for investigation
- Internal incident reporting requirements and protocols
- Workplace Safety and Health (WSH) legal requirements related to incident investigation
- WSH incident investigation procedures and tools
- Methods of WSH incident analysis and root cause analysis
- Types of WSH incident corrective and preventative actions related to the marine industry
- Principles of forming WSH Incident Investigation Teams
- Components of WSH incident investigation and analysis reports
- WSH incident reporting requirements and regulatory authorities to report to
- Methods to develop Workplace Safety and Health (WSH) incident investigation and analysis processes
- Techniques for preserving evidence of investigations
- Types of lessons learned from previous incidents and accidents
- Workplace Safety and Health (WSH) industry best practices related to the marine industry
- Types of incident panel reviews and processes
- WSH policies, regulations and legislative requirements
- Types of lessons learned from previous incidents and accidents
- Workplace Safety and Health (WSH) industry best practices related to the marine industry
- Types of incident panel reviews and processes
- WSH policies, regulations and legislative requirements

### Abilities

- Respond to incidents in accordance with organisation WSH procedures
- Report incidents to internal stakeholders
- Conduct WSH incident investigations to identify root causes of incidents
- Recommend corrective and preventative measures
- Develop WSH incident investigation, analysis and reporting processes
- Manage WSH incident investigation and analysis processes
- Report incidents to authorities in accordance with legislative requirements
- Collaborate with management and key stakeholders
| • Cordon off and preserve incident sites for investigations | • Prepare incident reports in accordance with legislative requirements | • Advise on root causes of incidents based on information provided | stakeholders to form incident panel review committees |
| • Support WSH incident investigations | • Monitor and report progress of the implementation of corrective and preventative actions | • Ensure corrective and preventive actions are implemented in accordance with organisation procedures and WSH legal requirements | • Conduct incident panel reviews |
| • Evaluate effectiveness of corrective and preventative actions implemented | • Evaluate effectiveness of incident investigation procedures to recommend improvements | • Formulate corrective actions to improve incident and accident investigation and response processes | • Formulate preventive actions to avoid reoccurrences of incidents and enhance the organisation's WSH management systems |
| | | • Ensure documentation of lessons learned from previous incidents and accidents |