

**SKILLS FRAMEWORK FOR WORKPLACE SAFETY AND HEALTH
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

| | | | | | | |
|------------------------------------|---|--|---|--|---|----------------|
| TSC Category | Workplace Safety and Health Management | | | | | |
| TSC | Workplace Safety and Health Management in Manufacturing Industry | | | | | |
| TSC Description | Manage operational issues associated with the controls and put in place appropriate risk control measures in the manufacturing industry | | | | | |
| TSC Proficiency Description | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
| | | WPH-WSH-2081-1.1 | WPH-WSH-3081-1.1 | WPH-WSH-4081-1.1 | WPH-WSH-5081-1.1 | |
| | | Identify common safety and health hazards and support appropriate control measures in the worksite | Identify the common safety and health hazards and take appropriate control measures while working in the metal working or other manufacturing industry | Mitigate operational issues associated with the controls and support implementation of control measures in the manufacturing industry | Handle operational issues associated with the controls and management of risk in the manufacturing industry | |
| Knowledge | | <ul style="list-style-type: none"> Importance of Workplace Safety and Health (WSH) Consequences of unsafe work practices and workplace conditions Salient WSH legal and other requirements relevant to manufacturing industry Overview of WSH management system WSH duties and responsibilities in the manufacturing industry Safety and health planning and organisation Risk management process Typical manufacturing activities Permit-to-work for high-risk manufacturing works | <ul style="list-style-type: none"> Importance of Workplace Safety and Health (WSH) Consequences of unsafe work practices and workplace conditions Salient WSH legal and other requirements relevant to manufacturing industry Overview of WSH management system WSH duties and responsibilities Risk management process Typical hazards including personal health issues in manufacturing industry Methods for hazard identification WSH control measures 5S housekeeping Types of organizational WSH inspections WSH training and promotional programmes Incident investigation and reporting Permit-to-work (PTW) | <ul style="list-style-type: none"> Key types of trades and working environment in the manufacturing industry Applicable WSH legal and other requirements for the manufacturing industry Types of WSH hazards and risks including personal health issues in the manufacturing industry Control measures to address hazards and risks in the manufacturing industry Relevant stakeholders WSH training for manufacturing industry Methods of monitoring the implementation of control measures Status report of an implementation plan | <ul style="list-style-type: none"> WSH legal and other requirements relating to the manufacturing industry WSH hazards and risks associated in the manufacturing industry Fire hazards and risks control measures Flammable substances control measures Ignition sources control measures Safe storage and transport conditions of flammable substance Control measures for fire risks in manufacturing industry Relevant stakeholders Type of fire extinguishers Types of fire suppression systems Types of fire detection systems Methods of monitoring the implementation of control measures Status report of an implementation plan | |
| Abilities | | <ul style="list-style-type: none"> Support in safe work practices and risk control procedures | <ul style="list-style-type: none"> Explain and interpret salient WSH legislations and other requirements relevant to the manufacturing industry | <ul style="list-style-type: none"> Identify WSH hazards including personal health issues and assess the risks of key trades and daily work activities in | <ul style="list-style-type: none"> Identify WSH hazards including fire hazards and personal health issues and assess the risks | |

**SKILLS FRAMEWORK FOR WORKPLACE SAFETY AND HEALTH
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

| | | | | | | |
|--|--|---|---|---|--|--|
| | | <ul style="list-style-type: none"> • Participate in workplace safety and health management activities • Support workplace emergency response procedures | <ul style="list-style-type: none"> • Describe WSH duties and responsibilities of a supervisor in manufacturing industry • Identify WSH hazards including personal health issues, evaluate and control risks in manufacturing industry in accordance with risk management process • Carry out WSH inspections • Implement WSH training and promotional programmes • Conduct incident investigations and prepare reports | <p>the manufacturing industry</p> <ul style="list-style-type: none"> • Support the development of control measures to address the WSH hazards and risks identified • Carry out implementation plan in accordance to the organizational Risk Management Plan • Communicate WSH hazards and risks, proposed control measures and implementation plan to relevant stakeholders • Execute the implementation of control measures in daily work activities • Assist in the compilation of report to management on the status of the implementation plan | <ul style="list-style-type: none"> • Develop control measures to address the WSH hazards and risks identified • Formulate implementation plan in accordance to the organisational risk management plan • Communicate WSH hazards and risks, proposed control measures and implementation plan to relevant stakeholders • Monitor implementation of control measures in daily activities • Report to management on the status of the implementation plan | |
|--|--|---|---|---|--|--|