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| Title | **Follow safety rules** |
| Level | **2** | **Credits** | **5** |

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| Purpose | This Competency Standard identifies the competencies required to follow safety rules at workplace by welder in accordance with the organization’s approved guidelines and procedures. You will be expected to apply personal safety measures, Apply workplace safety measures, Apply tools & equipment safety measures and Apply job/work piece safety measures at all times. Your underpinning knowledge regarding safety rules will be sufficient to provide you the basis for your work. |

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| Classification ISCED | 0715 Mechanics and metal trades |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

| **Unit of Competency** | **Performance Criteria** | **Knowledge** | **Tools & Equipment** |
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| A1.Apply personal safety measures | **Trainee will be able to:** 1. Select personal protective equipment in terms of type and quantity according to work permit.
2. Wear, adjust, and maintain personal protective equipment to ensure correct fit and optimum protection in compliance with company procedures.
3. Ensure personal protective equipment is cleaned and stored in proper place.
 | **Trainee will be able to:** 1. Explain Importance of using Personal Protective Equipment (PPE)
2. Define Types of PPE.
3. Identify Protective clothing and equipment (PPE) to be worn and from where it can be obtained.
4. Explain the Safe maintenance of PPEs.
 | Leather apron, safety gloves, safety goggles, welding helmet, safety shoes, ear plug, safety belt, fume mask, dungaree |
| A2.Apply workplace safety measures | **Trainee will be able to:** P1. Apply safety measures to the followings at workplace * Ensure Ventilation
* No Inflammable material nearby
* Securegas cylinders
* Availability of Fire extinguishers
* SecureElectrical connections
* EnsureEarthing
* No light reflection
* Ensure availability of welding booths
* Emergency exit

P2. Exhibit housekeeping at workplace according to organizational guidelinesP3. Ensure the availability of first aid box at the workplace P4. Display a list of emergency contact numbers at workplace | **Trainee will be able to:** 1. Explain Importance of safety at workplace and its implications.
2. Describe Workplace safety guidelines.
3. Explain Specific company procedures regarding workplace safety.
4. Explain procedure for cleaning and storing of tools and equipment at workplace.
 | Fire extinguisher, Tool box/bins, Safety covers, First aid box, welding table, fume extractor, lighting system, PPE  |
| A3.Apply tools & equipment safety measures | **Trainee will be able to:**P1. Apply safety measures to the following tools and equipment * Electric Welding machine and equipment
* Gas welding/cutting equipment
* Mechanical cutting and beveling machines

P2. Perform cleaning of tools and equipment before and after the job P3. Ensure safe placement of measuring and cutting toolsP4. Follow tools and equipment safetyinstruction manuals | **Trainee will be able to:** K1. Explain theImportance of tools and equipment safety and its implications.K2. Describe the use of cleaning tools and equipment K3. Describe the importance of safe handling and placement of measuring and cutting toolsK4. Read and apply the safety manual instructions K5. Explain Specific company procedures regarding tools and equipment safety.K6. Explain procedure for cleaning and storing of tools and equipment at workplace. | Safety manuals, safety instruction sheets, cleaning tools and equipment  |
| A4.Apply job/work piece safety measures | **Trainee will be able to:** P1. Follow the work permit for the work piece safety P2. Apply the following safety measures for the work piece safety * Workpiece/job is free from dust, oil, grease, paint and moisture
* Safely cover the job/work piece after the duty
* Safely place the job/work piece after the duty

P3. Apply safe handling of job/work piece during1. Welding
2. Loading/unloading
3. Transportation

P4. Follow specific job/work piece safety instructions | **Trainee will be able to:** K1. Read and implement work permit according to the nature of job K2. Describe the importance of job/work piece safety K3. Explain the importance of safe handling and transportation of job/ work piece K4. Explain specific job/ work piece safety instructions  | Work permit, safety instructions, cleaning tools and equipment, cranes, lifters, hand trolleys |