|  |  |  |  |
| --- | --- | --- | --- |
| Title | **Install fittings and pipes** | | |
| Level | **3** | **Credits** | **20** |

|  |  |
| --- | --- |
| Purpose | This competency standard is intended for those who carry out plumbing operations. People holding credit for this competency standard are able to: Plan and prepare for work; assemble and install pipes and fittings; and complete work. |

|  |  |
| --- | --- |
| Classification ISCED | 0732 Building and civil engineering |

|  |  |
| --- | --- |
| Available grade | Competent / Not yet competent |

|  |  |
| --- | --- |
| Modification history | N/A |

|  |  |  |
| --- | --- | --- |
| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **E1:**  **Plan and prepare for work** | **P1-** Identify and obtain safety and other regulatory requirements for installation  **P2-** Interpret and confirm layout plan  **P3-** Identify and select tools and equipment  **P4-** Perform marking out and measure pipes  **P5-** Cut pipes to length  **P6-** Bend pipes | **K1-** Safety requirements; Specifications; Hazard identification  **K2-** Drawings and symbols specifications  **K3-** Tools and equipment for installing fittings and pipes  **K4-** Marking out procedures  **K5-** Cutting procedures  **K6-** Bending procedures |
| **E2:**  **Assemble and install pipes and fittings** | **P1-** Check for safety hazards  **P2-** Join and install pipes and fittings  **P3-** Perform levelling | **K1-** Risk and hazards identification  **K2-** Joining techniques; Pipe and Sewerage pipe fittings; Safety precautions  **K3-** Methods of levelling |
| **E3:**  **Complete work** | **P1-** Complete work related documents and procedures  **P2-** Perform final quality inspection  **P3-** Clean up and store tools, equipment and materials | **K1-** Importance of documentation; Customer care procedures and techniques  **K2-** Importance of quality; handing over to client  **K3-** Waste disposal procedures; Care of tools and equipment |