



Polyethylene (PE) Mains Micro-credential Summary document

Title	Gas CoC Protocol: Polyethylene (PE) Mains (Micro-Credential)		
Level	3	Credits	30
Purpose	<p>The purpose of this micro-credential is to provide the gas infrastructure industry with a formal credential for people who have the skills to construct, connect, test, commission, decommission and disconnect Polyethylene (PE) Mains using squeeze off or valve connections.</p> <p>Polyethylene (PE) Bag Stop or Polyethylene (PE) Stopple operations can only be carried out by personnel deemed competent by the asset operator.</p> <p>An additional endorsement is required to perform Butt Fusion pipe jointing (E2).</p> <p>This micro-credential addresses an identified skill gap in Aotearoa New Zealand. It will align with the Reticulated Gas – Competency Protocol GIP009, developed by the Gas Association of New Zealand.</p>		
Outcome	<p>On successful completion of this micro-credential, learners/ākonga will be able to demonstrate skills to construct, connect and test PE Mains using squeeze off or valve connections for gas infrastructure.</p> <p>Learners/ākonga will have knowledge of:</p> <ul style="list-style-type: none">– flow stopping in a gas network– pigging on a gas network pipeline on a gas network pipeline <p>Learners/ākonga will be skilled in:</p> <ul style="list-style-type: none">– carrying out a flow stopping operation using squeeze-offs– testing, connecting, purging and commissioning a polyethylene (PE) main in a gas network– internally cleaning a gas pipe in a gas network.		



Components & Learning Outcomes	<p>On successful completion learners/ākonga will be able to:</p> <ul style="list-style-type: none">○ Demonstrate knowledge of flow stopping in a gas network○ Carry out a flow stopping operation using squeeze-offs○ Demonstrate knowledge of pigging on a gas network pipeline on a gas network pipeline○ Test, connect, purge and commission a polyethylene (PE) main in a gas network○ Internally clean a gas pipe in a gas network
Standards	<p>US 30371: Demonstrate knowledge of flow stopping in a gas network US 30374: Carry out a flow stopping operation using squeeze-offs US 30377: Demonstrate knowledge of pigging on a gas network pipeline on a gas network pipeline US 32335: Test, connect, purge and commission a polyethylene (PE) main in a gas network US 32335: Internally clean a gas pipe in a gas network</p>
Delivery	<p>This micro-credential is designed to be using a combination of theory content and through the practical application of skills working on gas infrastructure.</p> <p>Industry recommends training activities with time in between to embed the learned skills into workplace practice, and to record workplace evidence to demonstrate competence.</p>