

# Recommended Qualification Structure for Piling Operations (Construction) Level 3

This structure has been recommended by employers and stakeholders from the above occupational area for organisations to form the basis of academic capability and competence outcomes. Qualifications with a competence outcome at the above level must have units derived from the following National Occupational Standards (NOS) and consist of the mandatory/optional groups as stated for the individual option route.

## **MANDATORY (all option routes)**

- VR209 v2 Confirm work activities and resources for the work
- VR210 v2 Develop and maintain good working relationships
- VR211 v2 Confirm the occupational method of work
- VR235 v3 Contribute to the piling operation
- VR402 v2 Slinging and signalling the movement of suspended loads
- VR641 v2 Conform to general workplace health, safety and welfare

## **PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES**

### **Piling Rig Operator Option Route (Total 9)**

#### **Mandatory**

- VR657 v2 Inspect and complete user maintenance on plant or machinery
- VR752 v1 Operate plant or machinery to construct piles

#### **Plus**

#### **Optional (one from the following)**

- VR760 v1 Control, direct and guide the operation of plant or machinery
- VR396 v2 Direct and guide the movement of vehicles, plant or machinery
- VR404 v2 Erect and dismantle plant (cranes and rigs)

### **Specialist Piling Operative Option Route (one of the following groups required) (Total 9 or 11)**

### **Piling Charge Hand Option Route (Total 11)**

#### **Mandatory**

- VR214 v3 Allocate and monitor the use of plant, machinery, equipment or vehicles
- VR239 v3 Guide formation of piles
- VR396 v2 Direct and guide the movement of vehicles, plant or machinery
- VR404 v2 Erect and dismantle plant (cranes and rigs)
- VR760 v1 Control, direct and guide the operation of plant or machinery

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## **Mud Operative Option Route (Total 9)**

### **Mandatory**

- VR233 v2 Carry out mud, slurry or fluid plant operations
- VR396 v2 Direct and guide the movement of vehicles, plant or machinery
- VR400 v3 Operate powered units, tools or pedestrian plant, machinery or equipment

## **Tremie Operative Option Route (Total 9)**

### **Mandatory**

- VR236 v3 Carry out tremie operations
- VR396 v2 Direct and guide the movement of vehicles, plant or machinery
- VR400 v3 Operate powered units, tools or pedestrian plant, machinery or equipment

## Unit endorsements for Piling Operations Level 3

Where industry requests; qualifications can be endorsed to show an option route and the type of resources and/or activities that relate to the unit. Listed below are the endorsements that can apply for units derived from the following NOS.

NOS	Endorsement
VR233	Own area of work (i.e. Piling operations)
VR235	One of the following: Sheet Pressed Driven Rotary bored Driven cast in-situ Mini or micro Continuous flight auger Displacement flight auger Slurry walling Tripod Vibro Diaphragm walling
VR236	One of the following: Concrete Grout Plus one of the following: Cast in-situ Diaphragm walling Under water or support fluid
VR239	One of the following: Sheet Pressed Driven Rotary bored Driven cast in-situ Mini or micro Continuous flight auger Displacement flight auger Slurry walling Tripod Vibro Diaphragm walling
VR396	Movement guide marshaller

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NOS	Endorsement
VR400	Own area of work (i.e. Piling operations) Plus one of the following: Generators Pumps Pedestrian operated plant or machines Mixers Compressors Self-powered tools Oscillators Extractors Pressure washers
VR402	Slinger Signaller 'Occupation specific' only (own area of work i.e. Piling operative)
VR404	Own area of work (i.e. Piling operative) Plus one of the following: Mobile crane Crawler crane Piling rig
VR657	Four of the following: Cooling systems Oils and lubricants Fuels Running gear, drive mechanisms Electrics, instruments, lights, warning devices
VR752	One of the following: Driven Pressed Rotary Mini or micro Diaphragm walling Vibro
VR760	Operations guide banksman

**Note:** Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from the Standards Setting Body to ensure the endorsement is appropriate to the unit.