

Recommended Qualification Structure for Sub-structure Work Occupations (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 v3 Develop and maintain good working relationships
- VR211 v2 Confirm the occupational method of work
- VR641 v2 Conform to general workplace health, safety and welfare

PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES

Underpinning Operations Option Route (Total 11)

Mandatory

- VR161 v3 Erect and strike underpinning formwork
- VR167 v2 Set out and mark positions for underpinning sequence
- VR169 v2 Install dry packing
- VR173 v3 Excavate and provide temporary support to pits and trenches
- VR225 v2 Place and compact concrete

Plus optional (two from the following)

- VR164 v2 Install reinforcement steel for underpinning
- VR171 v2 Repair sub-structure after underpinning
- VR172 v2 Reinstate ground condition
- VR763 v1 Install, construct, maintain, dismantle and remove temporary works

Ground Anchors Option Route (Total 5)

Mandatory

- VR517 v2 Stress and test ground anchors

Protection System Independent Verification Option Route (Total 5)

Mandatory

- VR764 v1 Testing and verification of protection systems for buildings against hazardous ground gases

Unit endorsements for Sub-structure Work Occupations 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
VR161	One of the following: Structural underpinning Basement construction
VR171	Two of the following: Brickwork Blockwork Concrete Timber Facings Linings Waterproofing systems
VR172	Three of the following: Backfill with suitable excavated materials Backfill with new materials Compact Hard top surfaces Cultivated and grassed areas
VR173	One of the following: Timber Trench sheet Frames Support systems
VR225	Three of the following: Chute Elephant's trunk Skip Pump Mono-rail Manual
VR763	Four of the following: Protective screens, hoardings and covers Access and egress routes Supports Supporting structures Removal equipment Diverting equipment Site facilities Stabilisation
VR764	Three of the following: Visual inspection Seam tests Flat area tests Ventilation and pressure monitoring

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.