

Recommended Qualification Structure for Plant Installations (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 group as stated for the individual option route.

MANDATORY (all option routes)

- PI26 v1 Dismantle installed plant and equipment
- PI27 v1 Plant installation basic maintenance
- VR384 v1 Operate plant and equipment during installation procedures
- VR641 v2 Conform to general workplace health, safety and welfare
- VR643 v1 Move, handle or store resources
- VR663 v2 Inspect plant or machinery for operational serviceability
- VR667 v2 Install plant or machinery for operational activities

PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES

Hoist Option Route (Total 11)

Mandatory

- PI28 v1 Co-ordinate plant installation work activities
- VR402 v2 Slinging and signalling the movement of suspended loads
- VR664 v2 Diagnose faults in plant or machinery systems or components
- VR669 v2 Configure plant or machinery for specific operational activities

Additional for Hoist option (not compulsory)

- VR387 v2 Operate plant or machinery to lift and transfer loads
- VR672 v2 Hand over plant or machinery to the control of others
- VR673 v2 Provide technical information, advice and guidance to users of plant or machinery

Tower Crane Option Route (Total 10)

Mandatory

- PI28 v1 Co-ordinate plant installation work activities
- VR402 v2 Slinging and signalling the movement of suspended loads
- VR669 v2 Configure plant or machinery for specific operational activities

Additional for Tower Crane option (not compulsory)

- VR664 v2 Diagnose faults in plant or machinery systems or components
- VR673 v2 Provide technical information, advice and guidance to users of plant or machinery

Unit endorsements for Plant Installations 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 |
|-------|---|
| PI26 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| PI27 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| PI28 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| VR384 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| VR387 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform |
| VR402 | Slinger Signaller 'Occupation specific' only (own area of work:i.e. Hoist, Tower Crane) |
| VR663 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |

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| NOS | Endorsement |
|-------|--|
| VR664 | Four of the following: Power unit Transmission Steering Hydraulic Pump Brake Pneumatic Electrical Electronic Operating ancillaries and attachments |
| VR667 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| VR669 | Two of the following: Attachments Ancillaries Fire prevention Structural support Safety measures Contaminant reduction Carriage of ancillaries/additional equipment Rail and trackside Cutting equipment Additions (e.g. publicity boards, notices, lights) Machine control Productivity measurement |
| VR672 | One of the following: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform Tower crane – self erect Tower crane – assisted erect |
| VR673 | Two of the following: Breakdown Handover Request Contract/guarantee/warranty/hire agreement Recall Modification/alteration |

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.