

Recommended Qualification Structure for Construction Using Off-site Manufactured Assemblies Level 2

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)

- VR641 v2 Conform to general workplace health, safety and welfare
- VR642 v1 Conform to productive work practices
- VR643 v1 Move, handle or store resources

PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES

Cold Formed Steel Frame Option Route (one of the following groups required)

Assembly group (Total 4)

Mandatory

- VR499 v2 Assemble cold formed steel frames

Erection group (Total 5)

Mandatory

- VR291 v2 Erect steel frame walls, floors and roofs
- VR296 v2 Install supplementary steel frame finishings

Assembly/Erection group (Total 6)

Mandatory

- VR291 v2 Erect steel frame walls, floors and roofs
- VR296 v2 Install supplementary steel frame finishings
- VR499 v2 Assemble cold formed steel frames

Additional for Cold Formed Steel Frame option (not compulsory)

- VR95 v2 Install sheeting and cladding systems on roofs and walls
- VR183 v3 Prepare backing walls to receive rainscreen wall cladding systems
- VR402 v2 Slinging and signalling the movement of suspended loads

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Modular and Portable Building Option Route (Total 6)

Optional (one from the following)

VR320 v2 Install, dismantle and maintain modular buildings

VR321 v2 Install, maintain and decommission portable cabins, units and temporary buildings

Plus optional (two from the following)

VR09 v2 Install first fixing components

VR12 v2 Maintain non-structural carpentry work

VR25 v3 Maintain non-structural or structural components

VR122 v1 Install basic plumbing

VR130 v3 Install plasterboard linings

VR333 v3 Apply paint systems by brush and roller

VR340 v2 Apply coatings by the air spray method

VR349 v2 Prepare surfaces by abrasive blast cleaning

VR402 v2 Slinging and signalling the movement of suspended loads

VR618 v2 Finish dry lining walls and ceilings

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Erection of Precast Concrete Route (Total 5)

Mandatory

VR402 v2 Slings and signalling the movement of suspended loads

PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES

Flooring Option Route (Total 5)

Mandatory

VR180 v4 Erect precast concrete flooring units

Cladding Option Route (Total 5)

Mandatory

VR181 v3 Erect precast concrete cladding units

Structural Option Route (Total 5)

Mandatory

VR182 v3 Erect precast concrete structural units

Additional (not compulsory)

VR392 v2 Operate plant or machinery used as work platforms

Unit endorsements for Construction Using Off-site Manufactured Assemblies Level 2

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
VR95	Own area of work plus one of the following systems: Built up Standing seam Secret fix Composite panel Fibre-cement
VR122	One of the following: Kitchen fitter Bedroom fitter Bathroom fitter
VR130	One of the following: Tacking Direct bonding (dot and dab)
VR180	One of the following: Lay screeds Grout joints Shutter (formwork, temporary works) Install reinforcement
VR291	Six of the following: Ring beams Load bearing walls – pre-manufactured Load bearing walls – in situ Non-load bearing walls – pre-fabricated Non-load bearing walls – in situ Lattice beams C section joists Intermediate floors – pre-manufactured Intermediate floors – in situ Floor decking units Composite decking units Hot rolled columns and beams Roof structures - pre-manufactured Roof structures – in-situ

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NOS	Endorsement
VR296	One of the following: Brick tie systems Breather membrane Vapour control layers Fire stops Insulation Internal linings Sheathing boarding Cladding support fixtures
VR321	Two of the following: Single prefabricated portable cabins, units and temporary buildings Stacked prefabricated portable cabins, units and temporary buildings Link-way connection systems
VR333	Own area of work (i.e. Modular and Portable building)
VR340	One of the following: Water-borne Solvent-borne
VR392	One of the following: Mobile elevated working platform scissor Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self- propelled Mobile elevated working platform mast climber
VR402	Slinger Signaller 'Occupation specific' only (own area of work: i.e. Cold formed steel frame; Modular and Portable building; Erection of Pre-cast concrete)
VR499	One of the following: Wall frames Floor frames Support structures Roofs
VR618	Three of the following required Tape and joint finishes Form internal and external angles Priming/protection topcoat Skim plaster finishes

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.