



Level 2 NVQ Certificate in Plant Operations

CONSTR (Construction)

Qualification Specification

Overview

This qualification has been developed to provide learners with the skills and knowledge to be able to carry out a range of activities related to operating plant and equipment. Delivered in the workplace, it can be undertaken as a stand-alone vocational qualification or as part of an apprenticeship.

Typical Job

This qualification is applicable to a variety of Plant Operations occupations including Plant Operator, Crane Operator and Fork Lift Driver.

Qualification code:	601/7790/1
Level:	2
Total qualification time:	160 hours
Guided learning hours:	Min 54 – Max 144
Credits:	Min 16 – Max 43
Minimum age:	16

Purpose of the qualification

The primary purpose of this qualification is to confirm occupational competence in a specific job role and the learner will need to select an appropriate pathway to enable them to achieve the assessment requirements.

Delivered in the workplace (or a setting that replicates the workplace), it can be undertaken as a standalone vocational qualification, or as part of an apprenticeship and can be taken by full-time employees or by school and college students with a work placement or part-time job that enables them to develop the appropriate skills in the workplace.

What does this qualification cover?

This qualification comprises two core mandatory units, which provide learners with an introduction to working in the construction industry with 15 different Pathways.

The Pathways cover a wide range of topics including: Cranes and Specialist Lifting, Fork Lift Trucks, Extracting Plant, Transporting Loads, Work Platforms, Laying and Distributing, Compacting, Processing, Loading and Securing, Road/Rail Attachments, Excavating.

Who is this qualification for?

This qualification is predominantly for learners employed on a construction site or similar where they would be working with plant or machinery such as cranes, lorry loaders, hoists or forklift trucks. The qualification may also be suitable for learners who are interested in a career change.

It is suitable for learners aged:

16-18

19+.

Who supports this qualification?

This qualification is:

- Regulated at Level 2

- Endorsed by a number of post-16 providers as facilitating progression to a range of Engineering Apprenticeships or a range of post-16 learning programmes at level 2 and 3.

What could this qualification lead to?

The EAL Level 2 NVQ Certificate in Plant Operations (Construction) provides a specific focus within the construction industry on Plant operations and the opportunity to gain a recognised skills card. The qualification also provides progression into the following construction qualifications:

EAL Level 2 Certificate in Supply Chain Operations

EAL Level 3 NVQ in Logistics Operations

EAL Level 3 Certificate in Logistics Operations

EAL Level 3 NVQ Supply Chain Management

EAL Level 3 NVQ Diploma in Business-Improvement Techniques

EAL Level 3 Diploma in Supply Chain Management

Further information about apprenticeships and industry recognised qualifications in the engineering sector can be obtained from the EAL

Entry Requirements

Whilst there are no formal entry requirements, learners must have the potential to achieve the assessment criteria set out in the units.

How is the qualification achieved?

This qualification can be obtained by achieving the 2 mandatory units QPOC2/001 and QPOC2/002 for all pathways (total credit value 5), **PLUS** the minimum credits for each pathway **AND** including mandatory pathway units where applicable..

What will be assessed?

This qualification is made up of both mandatory and optional units to which appropriate assessment methods have been applied. The units contain the learning outcomes and the assessment criteria that the learner is to be assessed against.

How will it be assessed?

Performance evidence must be a combination of:

- outputs of the learner's work, such as items that have been manufactured, installed, maintained, designed, planned or quality assured, and documents produced as part of a work activity together with:
- evidence of the way the learner carried out the activities such as witness testimonies, assessor observations or authenticated learner reports, records or photographs of the work/activity carried out, etc.

Competent performance is more than just carrying out a series of individual set tasks. Many of the units contain statements that require the learner to provide evidence that proves they are capable of combining the various features and techniques. Where this is the case, separate fragments of evidence would not provide this combination of features and techniques and will not, therefore, be acceptable as demonstrating competent performance.

NVQ Units

This qualification is made up of a number of nationally recognised units which EAL has converted into assessment material called 'assessment routes'. These documents allow both the learner and the assessor to record the progress through the NVQ qualifications. The units contain the performance to be assessed, the knowledge to be assessed and the evidence required from the learner to demonstrate their competence.

All units in these qualifications contain the following information:

- qualification and unit title
- unit level
- credit value
- guided learning hours (GLH)
- Total Qualification Time (TQT)
- unit summary
- performance to be assessed and evidenced (assessment criteria)
- knowledge to be assessed and evidenced (knowledge requirements)

Structure

This qualification is obtained by achieving 2 mandatory units QPOC2/001 and QPOC2/002 for all pathways (total credit value 5), **PLUS** the minimum credits for each pathway to achieve the minimum credit value for the qualification of 16 AND including any mandatory pathway units where applicable.

Mandatory units: (to be completed for each pathway)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/001	Conforming to general health, safety and welfare in the workplace	1	2	7	A/503/1170
QPOC2/002	Conforming to productive working practices in the workplace	2	3	10	J/503/1169

Pathway PLA: Cranes and Specialist Lifting (minimum of 11 Credits plus QPOC2/001 and QPOC2/002)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/003	Preparing and operating compact cranes to lift and transfer loads in the workplace	2	30	100	Y/506/4600
QPOC2/004	Preparing and operating remote controlled tower cranes to lift and transfer loads in the workplace	2	30	100	M/506/4604
QPOC2/005	Preparing and operating overhead cranes to lift and transfer loads in the workplace	2	18	60	T/506/4605
QPOC2/006	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2	30	100	A/506/4606
QPOC2/007	Preparing and operating hoists to lift and transfer loads in the workplace	2	12	40	L/506/3928
QPOC2/008	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2	30	100	R/506/4613
QPOC2/009	Preparing and operating skip handlers to lift and transfer loads in the workplace	2	18	60	Y/506/4614
QPOC2/010	Preparing and operating container handlers to lift and transfer loads in the workplace	2	18	60	D/506/4615
QPOC2/011	Preparing and operating self-propelled modular transporters - SPMT - to lift and transfer loads in the workplace	2	30	100	H/506/4616
QPOC2/012	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace	2	11	37	K/506/4617

Optional units – continued:

Pathway PLB: Fork Lift Trucks (minimum 16 credits plus QPOC2/001 and QPOC2/002)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/013	Preparing and operating rough terrain masted forklifts to lift and transfer loads in the workplace	2	18	60	F/506/4607
QPOC2/014	Preparing and operating industrial forklift trucks to lift and transfer loads in the workplace	2	16	53	J/506/4608
QPOC2/015	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2	25	83	F/506/4610
QPOC2/016	Preparing and operating reach trucks to lift and transfer loads in the workplace	2	16	53	J/506/4611
QPOC2/017	Preparing and operating sideloader forklifts to lift and transfer loads in the workplace	2	16	53	L/506/7851

Pathway PLC: Extracting (minimum of 16 Credits plus QPOC2/001 and QPOC2/002)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/018	Preparing and operating wheeled loading shovels to extract loose materials in the workplace	2	26	87	M/506/4621
QPOC2/019	Preparing and operating skid steer loaders to extract loose materials in the workplace	2	20	67	F/506/4624
QPOC2/020	Preparing and operating loader compressors to extract loose materials in the workplace	2	16	53	Y/506/4628
QPOC2/047a	Preparing and operating suction and vacuum excavators to extract in the workplace	2	85	167	H/615/3709



Optional units – continued:

**Pathway PLD: Transporting Loads
(minimum 12 credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/021	Preparing and operating forward tipping dumpers to receive, transport and discharge materials in the workplace	2	16	53	J/506/4642
QPOC2/022	Preparing and operating rear tipping dump trucks to receive, transport and discharge materials in the workplace	2	30	100	L/506/4643
QPOC2/023	Preparing and operating tractors with towed equipment for non-agricultural activities in the workplace	2	20	67	R/506/4644
QPOC2/024	Preparing and operating trailer-mounted concrete pumps to receive, pump and discharge materials in the workplace	2	18	60	M/506/5087
QPOC2/025	Preparing and operating self-propelled bowsers to receive, transport and discharge materials in the workplace	2	12	40	Y/506/4645
QPOC2/026	Preparing and operating static concrete placing booms to discharge and place materials in the workplace	2	25	83	D/506/4646
QPOC2/027	Preparing and operating volumetric trucks to receive and transport materials in the workplace	2	30	100	H/506/4647

**Pathway PLE: Work Platforms
(minimum of 12 Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/028	Preparing and operating scissor-type mobile elevating work platforms - MEWP – in the workplace	2	12	40	K/506/4648
QPOC2/029	Preparing and operating boom-type mobile elevating work platforms - MEWP - in the workplace	2	14	47	M/506/4649
QPOC2/030	Preparing and operating mast climber-type mobile elevating work platforms - MEWP- in the workplace	2	12	40	H/506/4650

Optional units – continued:

**Pathway PLF: Laying and Distributing
(minimum 25 credits plus QPOC2/001 and QPOC2/002)**

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EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/031	Preparing and operating binder spreaders to lay and distribute materials in the workplace	2	25	83	Y/506/4659
QPOC2/032	Preparing and operating self-propelled spreaders to lay and distribute materials in the workplace	2	25	83	K/506/4729
QPOC2/033	Preparing and operating towed scrapers to lay and distribute materials in the workplace	2	25	83	L/506/4660

**Pathway PLG: Compacting
(minimum of 16 Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/034	Preparing and operating ride-on rollers to compact materials in the workplace	2	16	53	R/506/4661
QPOC2/035	Preparing and operating soil compactors to compact materials in the workplace	2	16	53	Y/506/4662
QPOC2/036	Preparing and operating landfill compactors to compact materials in the workplace	2	25	83	D/506/4663

**Pathway PLH: Processing
(minimum of 12Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/037	Preparing and operating crushers to process materials in the workplace	2	16	53	H/506/4664
QPOC2/038	Preparing and operating screeners to process materials in the workplace	2	12	40	M/506/4666
QPOC2/039	Preparing and operating batching plant to process materials in the workplace	2	12	40	T/506/4667

Optional units – continued:

Pathway PLI: Loading and Securing

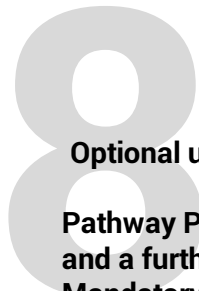
(minimum 26 credits, 16 of which must come from the Mandatory Unit QPOC2/40 plus QPOC2/001 and QPOC2/002 and a further minimum 10 credits from QPOC2/041 to 043)

Mandatory Unit:

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/040	Preparing for, and arranging and securing plant or machinery for transportation in the workplace	2	16	53	F/506/4669

Optional Units: (minimum of 10 Credits)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/041	Preparing to and directing and guiding the movement of vehicles, plant or machinery in the workplace	2	12	40	A/506/4668
QPOC2/042	Slinging and hand signalling the movement of suspended loads in the workplace	2	10	33	R/506/3929
QPOC2/043	Operating Plant or Machinery for Non-operational Activities in the workplace	2	10	33	L/505/0175



Optional units – continued:

Pathway PLJ: Road/Rail (minimum 20 credits, 8 of which must come from the Mandatory Unit plus QPOC2/001 and QPOC2/002 and a further minimum 12 credits from the Optional Units below)

Mandatory Unit:

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/044	Preparing and operating road/rail adapted plant in the workplace	2	8	27	T/506/4670

Optional Units: (minimum of 12 Credits)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/006	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2	30	100	A/506/4606
QPOC2/013	Preparing and operating rough terrain masted forklifts to lift and transfer loads in the workplace	2	18	60	F/506/4607
QPOC2/015	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2	25	83	F/506/4610
QPOC2/008	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2	30	100	R/506/4613
QPOC2/019	Preparing and operating skid steer loaders to extract loose materials in the workplace	2	20	67	F/506/4624
QPOC2/018	Preparing and operating wheeled loading shovels to extract loose materials in the workplace	2	26	87	M/506/4621
QPOC2/020	Preparing and operating loader compressors to extract loose materials in the workplace	2	16	53	Y/506/4628
QPOC2/021	Preparing and operating forward tipping dumpers to receive, transport and discharge materials in the workplace	2	16	53	J/506/4642
QPOC2/022	Preparing and operating rear tipping dump trucks to receive, transport and discharge materials in the workplace	2	30	100	L/506/4643
QPOC2/023	Preparing and operating tractors with towed equipment for non-agricultural activities in the workplace	2	20	67	R/506/4644
QPOC2/028	Preparing and operating scissor-type mobile elevating work platforms - MEWP - in the workplace	2	12	40	K/506/4648
QPOC2/029	Preparing and operating boom-type mobile elevating work platforms - MEWP - in the workplace	2	14	47	M/506/4649
QPOC2/030	Preparing and operating mast climber-type mobile elevating work platforms - MEWP - in the workplace	2	12	40	H/506/4650

Optional units – continued:

Pathway PLK: Attachments (minimum 19 credits, 7 of which must come from the Mandatory Unit plus QPOC2/001 and QPOC2/002 and a further minimum 12 credits from the Optional Units below)

Mandatory Unit:

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/045	Preparing and operating plant or machinery attachments in the workplace	2	7	23	A/506/4671

Optional Units: (minimum of 12 Credits)

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/006	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2	7	23	A/506/4606
QPOC2/013	Preparing and operating rough terrain masted forklifts to lift and transfer loads in the workplace	2	18	60	F/506/4607
QPOC2/015	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2	25	83	F/506/4610
QPOC2/008	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2	30	100	R/506/4613
QPOC2/018	Preparing and operating wheeled loading shovels to extract loose materials in the workplace	2	26	87	M/506/4621
QPOC2/019	Preparing and operating skid steer loaders to extract loose materials in the workplace	2	20	67	F/506/4624
QPOC2/020	Preparing and operating loader compressors to extract loose materials in the workplace	2	16	53	Y/506/4628
QPOC2/021	Preparing and operating forward tipping dumpers to receive, transport and discharge materials in the workplace	2	16	53	J/506/4642
QPOC2/022	Preparing and operating rear tipping dump trucks to receive, transport and discharge materials in the workplace	2	30	100	L/506/4643
QPOC2/023	Preparing and operating tractors with towed equipment for non-agricultural activities in the workplace	2	20	67	R/506/4644
QPOC2/028	Preparing and operating scissor-type mobile elevating work platforms - MEWP - in the workplace	2	12	40	K/506/4648
QPOC2/029	Preparing and operating boom-type mobile elevating work platforms - MEWP - in the workplace	2	14	47	M/506/4649
QPOC2/030	Preparing and operating mast climber-type mobile elevating work platforms - MEWP - in the workplace	2	12	40	H/506/4650

**Pathway PLL: Excavating
(minimum 20 credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/046	Preparing and operating wheeled loading shovels to excavate in the workplace	2	26	87	T/506/4829
QPOC2/047	Preparing and operating skid steer loaders to excavate in the workplace	2	20	67	M/506/4828
QPOC2/047b	Preparing and operating suction and vacuum excavators to excavate in the workplace	2	85	167	L/617/3078

**Pathway PLM: Sweeping, Cleaning and Clearing
(minimum of 13 Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/048	Preparing and operating plant or machinery to sweep, clean or clear in the workplace	2	13	58	D/506/4677

**Pathway PLN: Operations Guide
(minimum of 18 Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/049	Controlling, directing and guiding the operation of plant or machinery in the workplace	2	18	60	Y/506/4676

**Pathway PLO: Movement Guide
(minimum of 12 Credits plus QPOC2/001 and QPOC2/002)**

EAL code	Title	Level	Credit	GLH	Ofqual code
QPOC2/041	Preparing to and directing and guiding the movement of vehicles, plant or machinery in the workplace	2	12	40	A/506/4668

