

## **Qualification Title: GQA Level 2 NVQ Diploma in Plant Operations (Construction)**

**Qualification Number: 601/0403/X**

### **Qualification Specification**

#### **Who is this qualification for?**

This qualification is aimed at those who use plant equipment and machinery in a construction environment. Because of the wide range of work occupations, it is not expected that all candidates will carry out the same activities; the qualification is structured to ensure that there is a high degree of flexibility.

The qualification has 2 mandatory units with pathways developed to recognise competence and knowledge in the use of specific equipment and machinery in the following groups: Extracting Plant, Excavating Plant, Constructing and Forming Plant, Transporting Loads Plant, Laying and Distributing Plant and Cranes and Specialist Lifting Plant.

The qualification is at level 2 although there may be some units at different levels and should be taken by those who are trained to deal with routine assignments but is equally suitable for new entrants to the industry. During assessment candidates should require minimum supervision in undertaking the job.

All work completed must be carried out in accordance with relevant legislation and Industry recognised safe working practices, including the disposal of waste.

The qualification is structured to ensure that there is a high degree of flexibility within the pathways and units available and will allow employees from companies of all sizes and specialisms equal opportunity to complete. The qualification consists of 2 mandatory units with a credit value of 5 credits, candidates must also achieve the required credits from the selected pathway. The minimum credit value of the qualification is 45 credits.

#### **Entry requirements**

There are no formal entry requirements for learners undertaking this qualification. However, centres must ensure that learners have the potential and opportunity to gain the qualification successfully.

#### **Qualification support**

This qualification has been designed and developed by GQA Qualifications with the support of ConstructionSkills.

## Regulatory information

|                                       |                            |
|---------------------------------------|----------------------------|
| Countries offered in:                 | England, Northern Ireland, |
| Qualification type:                   | Occupational Qualification |
| Subject/sector areas                  | Building and construction  |
| Qualification operational start date: | 17/11/2021                 |
| Qualification review date:            | 19/10/2023                 |
| Applicable age ranges (years):        | 16-18, 19+                 |

## Further information

Further information about this qualification can be obtained from: [www.ggaqualifications.com/qualifications](http://www.ggaqualifications.com/qualifications)

You can also contact GQA Qualifications directly at:

GQA Qualifications Ltd, Unit 1, 12 O'clock Court, Sheffield S4 7WW.

Tel 01142 720033, email to [info@ggaqualifications.com](mailto:info@ggaqualifications.com)

## Qualification achievement

The qualification consists of 2 mandatory units with a credit value of 5 credits, candidates must also achieve the required credits from the selected pathway. The minimum credit value of the qualification is 45 credits, whichever pathway is selected.

GQA qualifications are made up of units that have a credit value or credits. These credits must be achieved in the correct combination of mandatory and optional units. Qualifications are now required to indicate the total qualification time (TQT), this is to show the typical time it will take someone to attain the required skills and knowledge to meet the qualification criteria. The TQT for this qualification is 450.

The units of assessment set out learning outcomes which describe what learners need to be able to do and understand. The learning outcomes are defined by assessment criteria which are used to assess competence, expressed as skills achieved and learned knowledge and understanding, to achieve the units. Achievement of the mandatory unit and optional units will mean the qualification has been completed and will be subject to approval of a claim for certification. GQA Qualifications will issue a certificate complete with the learner's name, the qualification and unit titles and the credits achieved.

Qualifications are also required to indicate the number of hours of teaching someone would normally need to receive in order to achieve the qualification. These are referred to as Guided Learning Hours (GLH). The GLH for this qualification is 150 hours

## Qualification Structure

|                                                                                                                                                                                                                                                            |                                                                                                                   |                                                            |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------|
| Qualification Title:                                                                                                                                                                                                                                       |                                                                                                                   | GQA Level 2 NVQ Diploma in Plant Operations (Construction) |        |
| Qualification Number (QAN):                                                                                                                                                                                                                                |                                                                                                                   | 601/0403/X                                                 |        |
| Total Credits:                                                                                                                                                                                                                                             |                                                                                                                   | 45                                                         |        |
| Total Qualification Time (TQT):                                                                                                                                                                                                                            |                                                                                                                   | 450                                                        |        |
| The qualification consists of 2 mandatory units with a credit value of 5 credits, candidates must also achieve the required credits from the selected pathway. The minimum credit value of the qualification is 45 credits, whichever pathway is selected. |                                                                                                                   |                                                            |        |
| Unit number                                                                                                                                                                                                                                                | Title                                                                                                             | Level                                                      | Credit |
| Mandatory units                                                                                                                                                                                                                                            |                                                                                                                   |                                                            |        |
| A/503/1170                                                                                                                                                                                                                                                 | Conforming to General Health, Safety and Welfare in the Workplace                                                 | 1                                                          | 2      |
| J/503/1169                                                                                                                                                                                                                                                 | Conforming to Productive Working Practices in the Workplace                                                       | 2                                                          | 3      |
| Pathway 1-Extracting Plant-minimum of 50 credits required if this pathway selected                                                                                                                                                                         |                                                                                                                   |                                                            |        |
| T/600/7928                                                                                                                                                                                                                                                 | Preparing and Operating Draglines to Extract Ground and/or Loose Materials in the Workplace                       | 2                                                          | 60     |
| T/600/7931                                                                                                                                                                                                                                                 | Preparing and Operating 180 degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace | 2                                                          | 80     |
| R/600/7936                                                                                                                                                                                                                                                 | Preparing and Operating Tracked Loading Shovels to Extract Ground and Loose Materials in the Workplace            | 2                                                          | 80     |
| J/600/7948                                                                                                                                                                                                                                                 | Preparing and Operating Motorised Scrapers to Extract, Transport and Distribute Materials in the Workplace        | 2                                                          | 80     |
| J/600/7951                                                                                                                                                                                                                                                 | Preparing and Operating Trenchers to Extract Ground and/or Loose Materials in the Workplace                       | 2                                                          | 50     |
| K/600/7957                                                                                                                                                                                                                                                 | Preparing and Operating 360 degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace     | 2                                                          | 80     |
| Y/650/0348                                                                                                                                                                                                                                                 | Preparing and operating suction and vacuum excavators to extract in the workplace                                 | 2                                                          | 51     |
| A/650/0349                                                                                                                                                                                                                                                 | Preparing and operating suction and vacuum excavators to excavate in the workplace                                | 2                                                          | 51     |
| Pathway 2 Excavating Plant - minimum of 50 credits if this pathway selected                                                                                                                                                                                |                                                                                                                   |                                                            |        |
| T/600/7931                                                                                                                                                                                                                                                 | Preparing and Operating 180 degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace | 2                                                          | 80     |
| A/600/7963                                                                                                                                                                                                                                                 | Preparing and Operating Draglines to Excavate Ground in the Workplace                                             | 2                                                          | 60     |
| Y/600/7968                                                                                                                                                                                                                                                 | Preparing and Operating Crawler/Tractor Dozers to Excavate and/or Form Ground in the Workplace                    | 2                                                          | 85     |
| R/600/7970                                                                                                                                                                                                                                                 | Preparing and Operating 360 degree Excavators to Excavate Ground in the Workplace                                 | 2                                                          | 80     |
| Y/600/7971                                                                                                                                                                                                                                                 | Preparing and Operating Trenchers to Excavate Ground in the Workplace                                             | 2                                                          | 50     |

|                                                                                                   |                                                                                                                     |   |    |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---|----|
| Y/650/0348                                                                                        | Preparing and operating suction and vacuum excavators to extract in the workplace                                   | 2 | 51 |
| A/650/0349                                                                                        | Preparing and operating suction and vacuum excavators to excavate in the workplace                                  | 2 | 51 |
| <b>Pathway 3-Shopfitting bench work -Pathway mandatory units</b>                                  |                                                                                                                     |   |    |
| A/650/0448                                                                                        | Marking out from setting out details for routine shopfitting products in the workplace                              | 2 | 12 |
| D/650/0449                                                                                        | Manufacturing routine shopfitting products in the workplace                                                         | 2 | 19 |
| <b>Pathway 3 Constructing and Forming Plant- must achieve 70 credits if this pathway selected</b> |                                                                                                                     |   |    |
| H/600/7973                                                                                        | Preparing and Operating Graders to Form and Shape Ground and/or Loose Materials in the Workplace                    | 2 | 70 |
| <b>Pathway 4- Transporting Loads Plant - must achieve 70 credits if this pathway selected</b>     |                                                                                                                     |   |    |
| T/600/7976                                                                                        | Preparing and Operating Truck-mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace | 2 | 70 |
| <b>Pathway 5 Laying and Distributing Plant - minimum of 40 credits if this pathway selected</b>   |                                                                                                                     |   |    |
| H/600/8055                                                                                        | Preparing and Operating Soil Stabilisers to Lay and Distribute Materials in the Workplace                           | 2 | 40 |
| L/600/8065                                                                                        | Preparing and Operating Concrete Pavers to Lay and Distribute Materials in the Workplace                            | 2 | 60 |
| H/600/8069                                                                                        | Preparing and Operating Asphalt Pavers to Lay and Distribute Materials in the Workplace                             | 2 | 60 |
| <b>Pathway 6-Cranes and Specialist Lifting-minimum of 5 credits if this pathway selected</b>      |                                                                                                                     |   |    |
| D/506/4601                                                                                        | Preparing and Operating Crawler Cranes (above 10 tons) to Lift and Transfer Loads in the Workplace                  | 2 | 80 |
| H/506/4602                                                                                        | Preparing and operating tower cranes to lift and transfer loads in the workplace                                    | 2 | 80 |
| K/506/4603                                                                                        | Preparing and operating mobile cranes to lift and transfer loads in the workplace                                   | 2 | 95 |
| L/506/4612                                                                                        | Preparing and operating crawler-tractor side booms to lift and transfer loads in the workplace                      | 2 | 50 |

## Assessment

The qualification must be assessed using the following assessment method:

- Portfolio of Evidence

Learners are required to achieve all learning outcomes within units of assessment. All assessment is subject to internal quality assurance within approved centres providing this qualification. External quality assurance of assessment and internal quality assurance within approved centres is provided by GQA Qualifications.