T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing

Employer-Set Project (8730-033)

Task 3
Autumn 2023

City & Guilds | eal

Task 3 – Plan

You have been asked to create a planning chart for the gas turbine maintenance. The planning chart is to include the order of work processes to be completed as part of the maintenance of the gas turbine. You will need to consider in which order the relevant parts and components of the system are to be ordered, checked and maintained.

Part A

Create a planning chart including the following considerations:

- equipment and materials required to complete the maintenance
- the order of maintenance including the removal and re-installing of components
- commissioning, testing and servicing requirements
- duration and sequence of the maintenance steps including a critical path
- who will be required to complete the maintenance, for example electrical and mechanical engineers.

The planning chart must be presented in an industry-recognised format of your choice. You must use digital software to present your planning. This will typically be **two** sides of A4.

Part B

Alongside your planning chart, you will need to provide a supporting statement to justify your plan taking into consideration:

- job roles and responsibilities
- health and safety considerations
- specialist tools, equipment and resources
- cost considerations in relation to the budget
- timescale considerations and implications.

The supporting statement will typically be 1000 words.

Timing of assessment

- You will have **three hours** to complete your project plan and supporting statement.

Conditions of assessment

- Your planning chart and supporting statement must be completed working alone under supervised conditions.
- You must not share or discuss your work with other candidates.
- You will have access to software that may be required to create the planning (e.g. word processing software, spreadsheets etc.).
- You will have access to copies of your responses to the previous tasks (for review purposes only).
- You will **not** have access to the Internet for the completion of this task.
- Assessment evidence must be handed in at the end of each session for secure storage which cannot be accessed.

What you must submit on completion of this task

- Part A - **Planning chart** (typically two sides of A4).
- Part B - **Supporting statement** (typically 1000 words) – copy of file saved securely (e.g., in a secure online location or on memory stick to be handed in).

Additional evidence of your performance that will be captured for marking

- N/A

Marks available

- 18

Get in touch

City & Guilds Technicals Quality Team

We are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

Should you require assistance, please contact us using the details below:

T: 0300 303 53 52 (Monday - Friday | 08:30 - 17:00 GMT)

E: technicals.quality@cityandguilds.com

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