



## Construction and the Built Environment – Unit 3

3.5 and 3.10 Writing and setting success criteria and Evaluating construction tasks

### WRITING AND SETTING SUCCESS CRITERIA

The Unit 3 controlled assessment requires you to write a report that identifies all the targets that your work in each trade area needs to achieve for it to be a success. These targets are known as the project success criteria and are subdivided into three categories:

#### 1. Levels of tolerance

Tolerances are the main quality control method used to set and measure standards during the construction process and involve allowable variations that are not considered to be defects. For instance, a tolerance of  $\pm 3$  mm for a centre distance of 450 mm between roof joists will allow for the centres to be any measurement between 447 mm and 453 mm.

#### 2. Timescales

A critical success factor for any construction project is to meet the completion deadline. This is best achieved by breaking down a construction process into its essential activities and putting them in order.

Various project management techniques (such as work schedules and Gantt charts) have been devised to structure the planning process.

#### 3. Quality

Construction projects are a balance between cost, time and quality. The overall quality of a completed project can only be fully evaluated through a comparison with factors such as:

- how the work complies with relevant building standards, such as ISO 9001
- the client specification and brief.

In relation to the standard of workmanship, quality can be defined by:

- reference to relevant codes of practice or standards
- testing and inspection.

### EVALUATING SUCCESS CRITERIA

The primary purpose of any evaluation is to allow time for 'reflection' on the strengths and weaknesses of a completed activity and to assist in the identification of future change or improvements.

You will be asked to evaluate the quality of your own completed construction tasks, including how outcomes can be evaluated against:

**The requirements of the brief** – does your completed construction task:

- meet the guidelines as set out in the brief and indicative scope?
- achieve its intended purpose and function?
- meet any specific guidelines for construction methods?
- follow appropriate dimensions and scales?

**Personally set success criteria** – how well have you achieved your personally set success criteria? Did you:

- work effectively with the correct materials?
- complete the construction task on time?
- plan and prepare effectively?
- dispose of waste sustainably and safely?
- work safely?

**The needs of end users, including safety** – does your completed construction task:

- meet the needs of the people who will use it?
- meet safety requirements?

**Improvements** – consider:

- possible improvements in quality and accuracy
- alternative working methods
- improvements to the finish.