Powering Skills Organisation Ltd

# UoC Template Selection

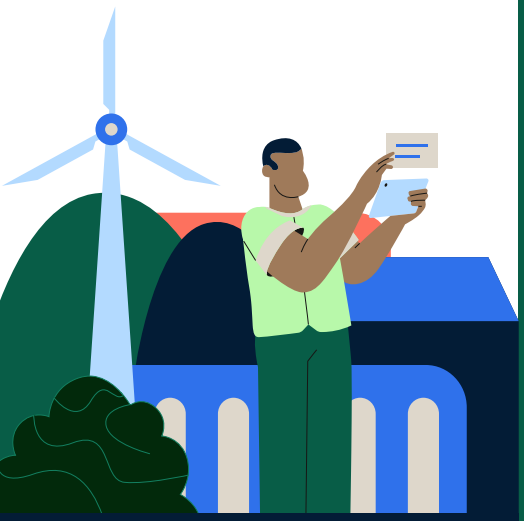
Choosing the right Unit of Competency template is key for effective energy sector training.

## Type A: Task Specific

Type A (Application, Elements & Performance Criteria) is for mastering specific tasks to define work standards. It's procedural, broken into key performances required to complete a task.

## Type B: Fundamentals

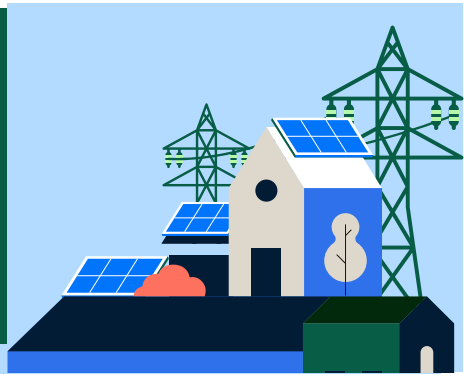
Type B (Application of skills and knowledge) focuses on underpinning skills and knowledge transferable across various job contexts. It addresses fundamental principles required at the AQF level for versatile application across multiple tasks.



## Benefits of using both templates

Using Type B units to establish foundational skills and knowledge means that common principles, such as electrical numeracy, only need to be taught once and can be applied across a variety of contexts. This creates efficiency in training and ensures consistency in learner capability. Importantly, Type B units are not limited to entry-level; they can be used to build and extend fundamental skills at each AQF level or occupational stage, supporting progression and adaptability in the workforce. In turn, Type A units can concentrate on specialist skills and the knowledge required to perform a task to workplace standards, without having to re-teach the underpinning concepts. Together, learners gain transferable foundations while building the knowledge and skills to carry out specific, task-based competencies.

# Comparison Example Numerical Concepts



## Type A

### Task-specific application
Learners consolidate their knowledge of electrical numerical concepts by applying them step-by-step within a clearly defined workplace task. The focus is on performing the task to industry standards, using calculations and measurements as part of each procedural stage.

### Focus of learning
- Apply numerical principles such as Ohm's Law, voltage drop, and load calculations within a specific installation or maintenance task.
- Develop accuracy in using formulas, tables, and specifications to ensure work complies with safety and quality standards.
- Strengthen procedural capability by embedding numerical skills into planning, execution, testing, and completion stages.

### Application in practice
At AQF Level 4 for example, learners will:
- Plan: calculate material quantities, select conductors, and determine safe load ratings before installation.
- Conduct: use calculations to confirm cable selection based on environmental, load and route length conditions during the installation process.
- Test: apply numerical principles when using test instruments, interpreting data, and comparing against expected values.
- Complete/Close: record calculations and results accurately in workplace documentation, confirming compliance with standards.

### Outcome
Completion of this unit develops the learner's ability to integrate underpinning numerical knowledge into all stages of a defined task. It ensures competence in applying principles consistently and reliably, building confidence to perform job-specific tasks to workplace and industry expectations.

## Type B

### Applied electrical numeracy
Learners explore key numerical principles that support a wide range of work functions in their industry or occupation. These principles form the foundation for safe, accurate, and efficient performance across different jobs, rather than being linked to one specific task.

### Focus of learning
- Develop understanding of numerical principles in electricity, such as Ohm's Law, unit conversions, and load calculations.
- Learn to apply these concepts to analyse data, interpret specifications, and make informed decisions across varied work contexts.
- Strengthen ability to adapt numerical knowledge to different problems, materials, and systems.

### Application in practice
At AQF Level 4 for example, learners will:
- Apply numerical calculations when testing electrical systems, interpreting results and identifying irregularities.
- Use calculations to select appropriate materials based on ratings, tolerances, and efficiency.
- Employ principles in planning and scheduling tasks, such as estimating time and resources required.
- Integrate numerical understanding in problem solving and fault finding, adapting known methods to new or unfamiliar scenarios.

### Outcome
Completion of this unit introduces or advances learner capability of numeracy to confident application of electrical numerical principles across multiple task and contexts at a given job type and level. It provides the underpinning knowledge required to transfer skills into a variety of energy sector tasks.