**Level 3 Diploma in Work-based Land-based Engineering Operations**

Unit 600 Task A: Use Calculations

(This task uses units of voltage, current, resistance, density, measuring and calculation)

**PROFORMA 10 TITLE: ELECTRICAL PERFORMANCE**

**Introduction**

In the presentation you were introduced to the term of *electrical load* and how electricity transmits current to that load in order to power it. In the workbook as well, you saw that the circuit produces a resistance to current flow which in turn affects the voltage.



The heart of any electrical circuit is its power supply. In a land-based vehicle this is usually a battery and in order to do its job, the battery must be “in good heart”. Typically this means *maintenance* which requires taking a range of measurements.

This proforma is about measuring and calculating battery performance and other electrical circuit values.



TRAINEE:............................................................................... DATE: ……………………..

**Task**

1. Complete the L3 Task Sheet 315/01: “Battery Servicing” and fill out the task sheet’s proforma. \*
2. Complete the L2 Task Sheet “Using an AVO meter & Multimeter”. \*
3. Complete the L3 Task Sheet 315/02: “Testing a Starter Circuit”. \*

**\*** Unless already completed

Attach the completed Task Sheets to this proforma.