

# Signal Engineering

**Course Name**

Maintaining Off-Grid Power Supply Systems

**Course Description**

This training course is designed to provide learners with the required knowledge and skills to safely and expertly maintain operation of the Off Grid Power Supply system, with focus on the battery array, solar panels, methanol fuel cells and micro wind turbines. It is an expansion of the knowledge gained in the 'Off Grid Power Supply for Signalling' course, which provides delegates with underpinning knowledge of how the system works. By the end of this course you will know how to: Recall safety considerations associated with the Off Grid Power Supply system Recall the step-by-step process of safely maintaining and changing components within the Off Grid Power Supply system Recall how to procure and safely transport components within Off Grid Power Supply system Explain how to identify and resolve faults related to the Off Grid Power Supply system

**Audience**

Network Rail Installers, Testers, S&T; maintenance, S&T; Technical Support.

**Duration:** 0.25 Day(s) **Class Size:**

**Competence Name Awarded****Competence Awarded****Course Code****Prerequisite Name**

Undertake corrective and preventative maintenance of Signalling Power Supplies  
Work safely on Signalling Power Supplies

**Prerequisite Short Code**

Sig. 42, Sig. 13

**Skills Assessment Scheme Regime****Course Type**

Elearning

**Download Date: 10/1/2025**