

Busbar Testing of Equipment and Circuits Course Specification

General

The definition of 'busbar' is explained to the delegates. Busbar testing includes all power fed from a supply to equipment/circuits up to but not exceeding a nominal 110V AC or 120V DC.

The course will be two days in duration, first day instruction, demonstration, and individual practice and the second day will be individual assessments.

Reasons why Earth Testing is Important

The reasons why Earth Testing is carried out and the importance of identifying earth faults are explained to the delegates.

Earth Values

Delegates are instructed on where to find the Earth test values and what to do when the test results are outside the permitted values.

Undertaking Earth Testing

DC Earth Testing

Delegates are instructed, shown and undertake DC Earth Testing using the correct test equipment. Reference to the appropriate Network Rail Signalling Maintenance Specifications throughout the procedure to determine acceptable values.

AC Earth Testing

Delegates are instructed, shown and undertake AC Earth Testing using the correct test equipment. Reference to the appropriate Network Rail Signalling Maintenance Specifications throughout the procedure to determine acceptable values.

Dynamic Earth Tests

General

Delegates will determine when and which type of Dynamic Earth Testing are required at each location.

Delegates will be instructed, shown and undertake Dynamic Earth Testing on Points and Level Crossings. Reference to the appropriate Network Rail Signalling Maintenance Specifications throughout the procedure to determine acceptable values.

Assessment

Each delegate will be individually assessed on DC, AC and Dynamic Earth Testing.