



SAFETY ASSESSMENT
FEDERATION

Owner / User Guidance

Guidelines on Electrical Vehicle Supply Equipment Periodic Inspection & Testing

REFERENCE: OU 13

ISSUE: 01

DATE: 31/01/2022

Owner / User Guidance: Guidelines on Electrical Vehicle Supply Equipment Periodic Inspection & Testing

DOCUMENT INFORMATION:	
REFERENCE:	OU 13
ISSUE:	01
DATE:	31/01/2022
PREPARED BY:	TC 3
APPROVED BY:	TSC

DOCUMENT HISTORY RECORD:		
ISSUE:	DATE:	CHANGE DETAIL:
01	31/01/2022	Initial Document

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CONTENTS

GUIDELINES ON ELECTRICAL VEHICLE SUPPLY EQUIPMENT PERIODIC INSPECTION & TESTING 1

Owner / Operator considerations 1

Frequency of Inspection & Testing..... 1

Further reading:..... 2

GUIDELINES ON ELECTRICAL VEHICLE SUPPLY EQUIPMENT PERIODIC INSPECTION & TESTING

The Safety Assessment Federation (SAFed) together with our member companies through these guidelines would like to highlight the importance of the inspection and testing of Electrical Vehicle Supply Equipment (EVSE).

EVSE are susceptible to deterioration over time and this can lead to a high level of risk to the safety of persons, exposing employees, contractors, members of the public and property to risk.

The Electricity at Work Regulations 1989 (EAWR) requires that electrical systems are maintained to avoid danger so far as is reasonably practicable. The HSE in their interpretation of this requirement, states that inspection and where necessary testing is an essential part of any preventative maintenance programme. This document is an aid to assist you in complying with your statutory obligations.

Owner / Operator considerations

Owners & operators should consider the following in relation to the preventative maintenance and inspection requirements of EVSE.

- Do you have a risk assessment for the operation, use and maintenance of your EVSE?
- Do you have an Electrical Installation Certificate (EIC) for your EVSE?
- Do you have operation and user manuals for your EVSE?
- Do you have a preventative maintenance programme for your EVSE?
- Does this programme include regular periodic inspection and testing?
- Is this performed by a competent person?

Frequency of Inspection & Testing

Your preventative maintenance programme should identify the frequency of inspection & testing. This is dependent on the type and use of the installation, the quality and frequency of maintenance and any external influences to which the EVSE may be subject. It should also be noted that Residual Current Devices (RCDs) are required to be functionally tested every 6 months in line with the IET Wiring Regulations. SAFed member companies can provide guidance directly to their clients or brokers.

To find a member company click here: <http://safed.co.uk/member-services/find-a-member/>

Further reading:

HSR25 The Electricity at Work Regulations – Guidance on Regulations (HSE)

- BS 7671 Requirements for Electrical installations
- Guidance Notes including GN3, (IET)
- On-Site guide (IET)
- Specifically relevant to EVSE installations are:
- BS 7671 Section 722 – Electric Vehicle charging installations
- Code of practice for Electric Vehicle Charging Equipment Installations (IET)

Promoting Safety | Reducing Risk | Adding Value



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