

EICR TECHNICAL DATA SHEET

Electrical Installation Condition Reports | Industrial & Commercial Fixed Wire Testing

A reference summary of typical EICR inspection, testing, reporting and follow-up requirements. The agreed scope and test methods depend on the installation and site conditions.

STANDARDS & INSPECTION SCOPE

PARAMETER	TECHNICAL INFORMATION / REQUIREMENT
Primary framework	BS 7671, Part 6 (periodic inspection and testing); IET Guidance Note 3; Electricity at Work Regulations 1989, where applicable.
Typical installation	Main switchgear, distribution boards, submains, final circuits, protective devices, earthing and bonding, accessible wiring and accessories.
Inspection coverage	Extent and limitations agreed and recorded; sampling, if used, must be appropriate to the installation and documented.
Inspection interval	Determined by installation type, use, condition, environment and previous results; no single statutory EICR interval applies to every workplace.

TYPICAL INSPECTION & TESTING

PARAMETER	TECHNICAL INFORMATION / REQUIREMENT
Visual inspection	Condition, suitability, damage, overheating, enclosure integrity, identification, accessibility and protective arrangements.
Continuity	Protective conductor and bonding continuity, and ring final circuit continuity where relevant.
Insulation resistance	Test method and voltage selected to suit the installation and connected equipment; sensitive devices protected as necessary.
Polarity & earthing	Polarity, earth fault loop impedance, external earth fault loop impedance and prospective fault current as appropriate.
Protective devices	Suitability and coordination assessment; RCD operating tests where applicable; disconnection requirements verified.
Operational constraints	Safe isolation and agreed downtime may be necessary; limitations and untested circuits must be recorded.

OBSERVATIONS & REPORTING

PARAMETER	TECHNICAL INFORMATION / REQUIREMENT
C1 — Danger present	Immediate action required to remove danger.
C2 — Potentially dangerous	Urgent remedial action required.
C3 — Improvement recommended	Improvement advised; does not alone make the report unsatisfactory.
FI — Further investigation	Further investigation required without delay.
Overall assessment	C1, C2 or FI observations normally result in an unsatisfactory EICR.
Report deliverables	Schedule of inspections, schedule of test results, coded observations, limitations and overall assessment.

REMEDIAL WORKS & CLOSE-OUT

PARAMETER	TECHNICAL INFORMATION / REQUIREMENT
Corrective action	Prioritise dangerous and potentially dangerous defects; investigate FI observations and record outcomes.
Certification	Issue appropriate certification or records for remedial works; an EICR is not an installation certificate.
Client coordination	Plan isolation, access, production shutdowns and retesting around site operational requirements.

QUEST approach: Detailed inspections using calibrated equipment, recorded circuit test results and clear remedial recommendations.

Note: General technical reference only. Apply the current applicable standards and competent engineering judgement; actual scope, limitations, test values and inspection intervals must be established for each installation.