ELEMAC LTD

Lightning protection inspection report

Sample layout · Inspection to IEC 62305-3 (Annex E) and NF C 17-102

SAMPLE: this page shows the layout and the checks in our report. It contains no real site data. Each real report is filled in on site and signed by the inspecting technician.

1. Site and system

Client and site		Inspection date	
District		Inspected by	
System type	ESE / conventional	Protection level	I / II / III / IV
Installed by / year		Last inspection	
Type of inspection	Visual / complete / after a strike		

2. Checks

Item	OK	Defect	Notes
Air terminal: condition, fixing, height above the highest point			
Remote ESE status (where fitted)			
Mast, guy wires and fixings			
Down conductors: route, fixings, damage, corrosion			
Test joints: condition and access			
Mechanical protection up to 2 m			
Strike counter reading (previous / now)			
Inspection pits and earth electrodes			
Equipotential bonding to the main earthing terminal			
Surge protective devices: status indicators, connections			
Changes to the building since the last inspection (new roof equipment, extensions, antennas, solar panels)			
Danger signs in place and legible			

3. Measurements

Earth termination / pit	Earth resistance (Ω), test joint open	Continuity (Ω)	Within limit?
Pit 1			
Pit 2			
Pit 3			
Global earth (all joints closed)			

Target: 10 Ω or less for each earth termination (NF C 17–102 and IEC 62305–3). Instrument used, serial number and calibration date are recorded on each real report.

4. Photos

Air terminal	Down conductor and test joint	Inspection pit
Strike counter	SPD in main board	Defects found

5. Findings and recommendations

Priority	Finding	Recommended action
Urgent		
Within 3 months		
At next inspection		

6. Conclusion and next inspection

System condition	Satisfactory / satisfactory after repairs / not satisfactory		
Next inspection due		Technician signature	
Client representative		Signature and date	