

PERIODIC INSPECTION
REPORT
(BS 7671:2001 as amended)

06453584 - Master



DETAILS OF THE CLIENT

Client	Amtech Power Software Ltd	Address	Bank House 171 Midsummer Boulevard Central Milton Keynes Bucks MK9 1LW
Purpose of this report	Annual Periodic Inspection		

DETAILS OF THE INSTALLATION

Occupier	Amtech Power Software Ltd	Description of premises	Domestic	Commercial	Industrial
Address	New Training Project Bank House 171 Midsummer Boulevard Central Milton Keynes Bucks MK9 1LW	Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Date of previous inspection	Not Known	Estimated age of the electrical installation		5	yrs
Records of installation available	<input checked="" type="checkbox"/>	Evidence of alterations or additions	<input checked="" type="checkbox"/>	If yes estimated age	N/A yrs
Records held by	Ian Hay	Electrical Installation Certificate No or previous Periodic Inspection Report No			

EXTENT AND LIMITATIONS OF THE INSPECTION

Extent of electrical installation covered by this report

All distribution Equipments with 100% of final circuits tested.

Agreed limitation of the inspection and testing

None

This inspection has been carried out in accordance with BS7671:2001(IEE Wiring Regulations), as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof space and generally within the fabric of the building or underground have not been inspected.

DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including observations overleaf and the attached schedules, provide an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection.

INSPECTION, TESTING AND ASSESSMENT BY:	REPORT REVIEWED AND CONFIRMED BY:
Signature	Signature
Name	Name
Position	Date
Date	

Roy Hughes
Inspecting Engineer
Graham Southwell

SCHEDULES AND ADDITIONAL PAGES

Schedule of items inspected and schedules of items tested: Additional pages, including additional source(s) data sheets Pages

Schedule of Circuit Details for the installation Schedule of Test Results for the installation

NEXT INSPECTON

I/We recommend that this installation is further inspected and tested after an interval of not more than

Provided that any observations which have been attributed recommendation code 1 (requires urgent attention) are remedied without delay. Observations attributed recommendation code 2 or 3 should be acted on as soon as is practical.

DETAILS OF THE INSPECTION AND TEST COMPANY

Trading Title

Address

Telephone number

Fax number

NICEIC Enrolment number

Branch number (if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Supply protective device characteristics
TN-S <input type="checkbox"/>	a.c. <input checked="" type="checkbox"/> d.c. <input type="checkbox"/>	Nominal Voltage U <input type="text" value="400"/> V U _o <input type="text" value="230"/> V	BS(EN)
TN-C-S <input checked="" type="checkbox"/>	1-Phase (2 wire) <input type="checkbox"/> 1-Phase (3 wire) <input type="checkbox"/> 2 Pole <input type="checkbox"/>	Nominal frequency f <input type="text" value="50"/> Hz	<input type="text" value="1361 Fuse HBC"/>
TN-C <input type="checkbox"/>	2-Phase (3 wire) <input type="checkbox"/> 3 Pole <input type="checkbox"/>	Prospective fault current I _{pf} <input type="text" value="9"/> kA	Type <input type="text" value="1"/>
TT <input type="checkbox"/>	3-Phase (3 wire) <input type="checkbox"/> 3-Phase (4 wire) <input checked="" type="checkbox"/> Other <input type="checkbox"/>	External loop impedance Z _e <input type="text" value=".35"/> Ω	Nominal current rating <input type="text" value="100"/> A
IT <input type="checkbox"/>	Other <input type="text"/>	Number of supplies <input type="text" value="1"/>	Short circuit capacity <input type="text" value="33"/> kA

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing	Details of Installation Earth Electrode (where applicable)	
Supplier's facility <input checked="" type="checkbox"/>	Type (eg rod(s), tape etc) <input type="text"/>	Location <input type="text"/>
Installation earth electrode <input type="checkbox"/>	Electrode resistance, R _A <input type="text"/> Ω	Method of measurement <input type="text"/>

Main Switch or Circuit-Breaker	Maximum Demand (load)	Method of protection against indirect contact	
Type BS(EN) <input type="text" value="60947-3"/> Voltage rating <input type="text" value="500"/> V	<input type="text" value="85"/> A per phase	<input type="text" value="EEBAD"/>	
No of poles <input type="text" value="4"/> Current rating <input type="text" value="125"/> A	Main Protective Conductors		Bonding of extraneous conductive parts
Supply conductors material <input type="text" value="Copper"/> RCD Operating current, I _{Δn} <input type="text" value="N/A"/> mA	Earthing Conductor material <input type="text" value="Copper"/>	Main equipotential bonding conductors material <input type="text" value="Copper"/>	Water <input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/>
Supply conductors csa <input type="text" value="25"/> mm ² RCD Operating time at, I _{Δn} <input type="text" value="N/A"/> ms	Earthing Conductor csa <input type="text" value="16"/> mm ²	Main equipotential bonding conductors csa <input type="text" value="10"/> mm ²	Oil <input type="text" value="N/A"/> Steel <input checked="" type="checkbox"/>
	Continuity check <input checked="" type="checkbox"/>	Continuity check <input checked="" type="checkbox"/>	Lightning <input type="text" value="N/A"/> Other <input type="text" value="N/A"/>

SCHEDULE OF ITEMS INSPECTED (see section 712 of BS 7671: 2001)

Method of protection against electric shock:		Prevention of mutual detrimental influence	
Ü	(i) SELV	Ü	a. Proximity of non-electrical services and other influences
N/A	(ii) Limitation of discharge of energy	Ü	b. Segregation of Band 1 and Band 2 cables or Band 1 insulation used
		Ü	c. Segregation of safety circuits
Protection against direct contact:		Identification	
Ü	(i) Insulation of live parts	Ü	Presence of diagrams, instructions, circuit charts and similar information
Ü	(ii) Barriers or enclosures	Ü	Presence of danger notices and other warning notices
N/A	(iii) Obstacles	Ü	Labeling of protective devices, switches and terminals
N/A	(iv) Placing out of reach	Ü	Identification of conductors
N/A	(v) PELV		
Ü	(vi) Presence of RCD for supplementary protection	Cables and conductors	
		Ü	Routing of cables in prescribed zones or within mechanical protection
		Ü	Connection of conductors
		Ü	Erection methods
		Ü	Selection of conductors for current-carrying capacity and voltage drop
		Ü	Presence of fire barriers and protection against thermal effects
Protection against indirect contact:		General	
	(i) EEBAD including:	Ü	Presence and correct location of appropriate devices for isolation and switching
Ü	Presence of earthing conductors	Ü	Adequacy of access to switchgear and other equipment
Ü	Presence of circuit protective conductors	Ü	Particular protective measures for special installations and locations
Ü	Presence of main equipotential bonding conductors	Ü	Connection of single pole devices for protection or switching in phase conductors only
Ü	Presence of supplementary equipotential bonding conductors	Ü	Correct connection of accessories and equipment
Ü	Presence of earthing arrangements for combined protective and functional purposes	N/A	Presence of undervoltage protective devices
Ü	Presence of adequate arrangements for alternate sources, where applicable	Ü	Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)
Ü	Presence of residual current devices	Ü	Selection of equipment and protective measures appropriate to external influences
N/A	(ii) Use of Class II equipment or equivalent insulation	Ü	Selection of appropriate functional switching devices
N/A	(iii) Non-conducting location: Absence of protective conductors		
N/A	(iv) Earth-free local equipotential bonding: Presence of earth-free equipotential bonding conductors		
N/A	(v) Electrical separation		

SCHEDULE OF ITEMS TESTED (see section 713 of BS 7671: 2001)

Ü	External earth fault loop impedance, Z_e	N/A	Protection by separation of circuits
N/A	Installation earth electrode resistance, R_A	N/A	Protection against direct contact, by barrier or enclosure provided during erection
Ü	Continuity of protective conductors	N/A	Insulation of non-conducting floors and walls
Ü	Continuity of ring final circuit conductors	Ü	Polarity
Ü	Insulation resistance between live conductors	Ü	Earth fault loop impedance, Z_s
Ü	Insulation resistance between live conductors and earth	Ü	Operation of residual current devices
N/A	Site applied insulation	Ü	Functional testing of assemblies

Ü to indicate an inspection has been carried out and the result was satisfactory
 Ü to indicate an inspection has been carried out and the result was unsatisfactory

N/A to indicate the inspection is not applicable

