

**FCS-PRODUCT CERTIFICATION  
AUDIT TESTING REPORT OUTLINE**

## **PRODUCT AUDIT TESTING REPORT OUTLINE**

THE PRODUCT AUDIT TESTING REPORT SHALL MAKE REFERENCE TO THE MANUFACTURERS QUALITY PLAN AND SHALL ADDRESS THE FOLLOWING MINIMUM REQUIREMENTS:

- CRITICAL COMPONENT VERIFICATION (PROCEDURES TO BE DEFINED IN THE BILATERAL AGREEMENTS)
- ROUTINE TESTS (100% OF PRODUCTION) -TESTS TO BE DEFINED
- PRODUCT AUDIT TESTING OF COMPONENTS FOR COMPONENT MANUFACTURERS (TESTS AND COMPONENTS TO WHICH IT APPLIES - TO BE AGREED AMONG THE NCB'S)
- FOR EQUIPMENT- PROOF OF CERTIFICATION OF COMPONENTS BY ANOTHER NCB ( CLAUSE 15 OF IECEE 03)
- INSPECTION FREQUENCY - 2 INSPECTIONS PER YEAR IRRESPECTIVE OF ISO 9000 CERTIFICATION

PRODUCT AUDIT TESTING OF UNCERTIFIED COMPONENTS ACCEPTED WITHIN OTHER PRODUCTS (TEST AND COMPONENTS TO BE AGREED UPON BETWEEN NCB'S)

THE ACTUAL TESTS SHALL BE AS DEFINED IN CB-FCS 101, ANNEXES A AND B, AND AS MAY BE FURTHER STIPULATED IN THE BILATERAL AGREEMENTS AMONG THE NCB'S.

<b>IEC 950</b> <b>INFORMATION TECHNOLOGY EQUIPMENT</b> <b>SPECIFICATION FOR ROUTINE TESTS (100 %)</b>
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## 1 ROUTINE TESTS

1.1 Visual check of marking and workmanship

1.2 Earth continuity test only for Class I

The purpose of this test is to check that the resistance between accessible parts required to be reliably earthed for safety reasons and the protective earthing terminal or earthing contact is not higher than 0,1  $\Omega$ .

The test shall be carried out by circulating a test current 1,5 times the current capacity of any hazardous voltage circuit, but not more than 25A (a. c. or d. c.), for the time required to obtain a meaningful reading through parts to be tested and the protective earthing terminal or earthing contact.

It is permitted to include the power cord (if any) in the resistance measurement, and, if the result exceeds 0,1  $\Omega$ , to subtract the resistance of the protective earthing conductor of the power cord.

1.3 Electric Strength

The test is performed by applying to the complete equipment a sinusoidal a. c. voltage of at least 1500 V (for basic insulation) or 3000 V (for reinforced insulation) 50 Hz or 60 Hz, or an equivalent d. c. voltage, selected and applied in accordance with clause 5.3 of IEC 950.

The test voltage shall be applied between the primary circuit and accessible conductive parts, excluding secondary circuits, and shall be maintained for at least 1 sec and no more than 6 sec.

Testing of components which bridge primary and secondary circuits shall be performed before final assembly.

No insulation breakdown shall occur during the tests.

If components are manufactured by the supplier and do not bear a certification mark, he has to add to each delivery a confirmation that the relevant tests on the components are performed. The manufacturer of information technology equipment is responsible for the proper performance of the tests. In any doubt, the certification body is allowed to inspect the component manufacturer.

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