

CTL DECISION SHEET

Standard: IEC 60335-1:2002	Sub clause: 19.11.4.4	DSH: 654
Subject: Abnormal operation	Key words: Surge test	Decision approved by the 45th CTL Plenary Meeting 2008
Question: When performing the tests of clause 19.11.4.4 (surge test), does the standard require the heating elements to be disconnected? Earthed heating elements in class I appliances are disconnected during this test. Can the test be omitted where the heating element is integrated into the appliance such that disconnection is not possible and, where due to the construction and the operating control system, it is not possible to operate with the heating element disconnected? The reason being when applying the test with the heating resistance connected, the insulation between earth and the heating element is destroyed, Decision: Electro-mechanical components are not to be tested for failure in 19.11.4. However, if the failure affects the Protective Electronic Circuit (PEC), it shall comply with the requirement of the standard. Explanatory notes: The same decision (n.407) is present in the OSM/HA decision list.		