

COLLECTION OF CTL DECISIONS

Decision

Standard: IEC 60950 (1991) 2 nd ed., Amdts.1 (1992), 2 (1993), 3 (1995), 4 (1996)	Sub clause: 1.7.1	Sheet n. 389 Page 1(1)
Subject: Marking and instructions	Key words: - Marking - Instructions	Decision confirmed at CTL 38th meeting.
Question: <p>A piece of ITE (e.g. telecommunications rack) has multiple modular power supplies that are removable. The supply connection (e.g. power supply cord) to the equipment terminates directly to the power supplies. Is it permissible for the marked electrical ratings in the individual power supplies to be used to comply with the electrical portion of the equipment's power rating marking (clause 1.7.1), or must the equipment be provided with a separate electrical rating marking?</p>		
Decision: <p>The electrical rating markings on the power supplies may be relied upon to meet the electrical portion of the equipment's power rating markings if (a) the mains supply connection terminates directly to the power supply, (b) the power supply electrical rating(s) is readily visible, and (c) the equipment has a separate single marking that covers the other aspects of the power rating marking required by 1.7.1 e.g., manufacturer, model.</p>		
Explanatory notes: <p>It is becoming more common for multiple configurations of power supplies to be used in a single equipment chassis to allow the equipment to be configurable for a variety of supply mains and product function environments. However, this can present some incompatibilities with the present wording of clause 1.7.1, which seems to anticipate "a" single power rating marking, consisting of electrical rating, manufacturer's name, model number, etc. While the decision noted above may be acceptable practice for the straight application of IEC 60950, some national standards may have more onerous restrictions due to local regulations and codes, e.g. U.S. National Electrical Code which requires a "nameplate" consisting of name, model and electrical rating. In such cases, an additional correlation marking may be necessary.</p>		