

DECISION SHEET

Standard(s)- (year and edition): IEC 60601-1:1988 Ed.2 Am1+Am2	Sub clause(s): 19.1 e),f) and g), 19.2 a) and b)	Sheet n°: DSH-409
Subject: Testing for equipment with different supply mains	Key words: Mains supply, test procedure	Confirmed by CTL at its 39th meeting, in Cologne
Question: Where EQUIPMENT is capable of operating from different SUPPLY MAINS e.g. a.c. mains supply or d.c mains supply, do the tests need to be repeated for each supply?		
Decision: If examination of the circuit arrangements suggest that there might be a problem, tests should be repeated for other SUPPLY MAINS modalities		
Explanatory notes: EQUIPMENT is defined in 2.2.15 as having only one connection to a particular SUPPLY MAINS. This means that connection should only be possible to one SUPPLY MAINS at any one time. However there may be situations where leakage currents could be worse with a particular modality of SUPPLY MAINS even though of lower voltage e.g. with d.c. supply. The 2nd edition of IEC 60601-1 does not specifically address this.		