

COLLECTION OF CTL DECISIONS

Standard: IEC60745-1, Ed.2	Sub clause: 11.5, 11.6	Sheet n. 262 Page 1(1)
Subject: Application of the tests depending of the insulation class, measurements of temperature on motor windings	Key words: - insulation class, - resistance variation, - infrared, - windings	Decision n. 18 taken at 35th meeting/1998
<p>Questions:</p> <p>1 - During the heating test the temperature of a known insulation class system exceeds the temperature limits specified in sub-clause 11.5. In this case, is it possible to jump multiple insulation classes when using 11.6. (This would mean that the test of clause 11.6 is applicable whatever the value of exceeding temperature rise) ?</p> <p>2 – How is the measurement of temperatures on armatures windings performed, specially when the windings of the rotor are not easily accessible? Is it possible to use infrared guns?</p> <p>Decisions:</p> <p>1- The clause 11.6 is applicable for any temperature rise value independently of the insulation class</p> <p>2- Resistance variation method is generally used, dismantling the motor and extrapolating with a resistance/time curve, if necessary. Other methods (Infrared , thermocouples) are not widely used and need to be confirmed.</p> <p>Explanatory notes:</p> <p>No</p>		