

	Work Group of Notified Body's 2000/14/EC Recommendation for Use	RfU No. 12-015
Key Words: equipment usable at different net voltage supply.		
Question/Problem: <p>Annex III, Part A no. 2.2 clause 3 is stated: <i>“If the machine is powered by a generator or from the mains, the frequency of the supply current, specified for the motor by the manufacturer, shall be stable at ± 1 Hz if the machine is equipped with an induction motor, and the supply voltage at ± 1 % of the rated voltage if the machine is equipped with a commutator motor. The supply voltage is measured at the plug of a non-detachable cable or cord, or at the inlet of the machine if a detachable cable is provided. The waveform of the current supplied from the generator shall be similar to that obtained from the mains”.</i></p> <p>How shall the measurements be done if a voltage range is labelled at the machine? (Electrical equipment usable in different conditions: 110V (AC) and 220V / 230V (AC) net supply).</p> <p>The directive does not give any suggestion on how to proceed.</p>		
Solution <p style="text-align: center;">Measurements shall be taken at the highest labeled voltage.</p>		
Question by: German Notified Bodies Group		Date: 2012-05-23
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