



**CO-ORDINATION OF NOTIFIED BODIES
PPE-Directive 89/686/EEC + amendments**

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Revision 01
Language: E

RECOMMENDATION FOR USE

Number of pages: 1	Date: 29/02/08	Approval by :	Approved on :
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Question related to: Electrical risks	EN ISO 20344	Other: -----	
Annex:	Article:	Clause:	
Key words: Electricians' shoes, electrical risks			
Question: How should high voltage shoes for electricians be treated as to testing and certification? In EN ISO 20345 there is a provision for testing insulating footwear (with EN50321), which a) excludes shoes other than all rubber or all polymeric and b) is suitable only for voltage up to 1500V. Up to now, leather boots, certified to ENISO20345, have been used by electricians, after being tested according to ANSI/Z41 (now replaced by ASTM F2412) at voltages as high as 14 kV. a) What about leather boots with rubber soling? b) What about higher voltages? Is it acceptable to use (for testing and certification) the ASTM standard (in conjunction with EN ISO 20345)?			
Solution: Testing to ASTM methods for such properties can be carried out but it shall be in addition to the certification and not relevant to European use. Also some concern was raised about the safety of working on live equipment with such footwear especially at voltages of 14 kV and above as this particular ASTM procedure only measures electrical resistance of the outsole and does not consider conduction through the upper.			
Sent to: <input checked="" type="checkbox"/> members of the VG <input type="checkbox"/> other(s) VG <input checked="" type="checkbox"/> HC (2) <input type="checkbox"/> TC (3) <input type="checkbox"/> SC (4) <input type="checkbox"/> other (5)			

(1) Essential safety requirement
(2) HC = horizontal committee

(3) N° of CEN/TC (Secretary & Chairman)
(4) EEC Standing Committee 89/392

(5) To be specified