ExNB	Co-ordination of Notified Bodies Electrical Equipment for use in potentially explosive atmospheres on Council Directive 94/9/EC (ATEX)	Issued: Jockers

European ATEX Notified Bodies Group

Clarification/Decision Sheet N° ExNB/98/066/CS rev.1		Editon 1.0
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Status:	Step*5.2.1	Question	Originator	HOTL(96)SP/006	Date:	1996-11-07
	Step*5.2.3	Initial proposal	Proposer:	2nd ExNB Meeting	Date:	1998-06-17
	Step*5.2.4	Responses/Final Draft		5th ExNB meeting	Date:	14/06/2001
		1st amendment			Date:	09/09/02

**Step refers to ExNB Rules*

Subject:	Directive, 94/9/EC Article No.	
	Directive, ESR No.	
	Directive, Module Annex No.	
	Standard, No.	EN 50020:1994 sub-clause 6.4.7 and 6.4.8 - Verification of CTI for 'i'

Authorised by Chairman: M. Shearman		Date:	09/09/02 31/07/06
Date of application: 09/09/02		Signature:	Jenkins

Subject: **EN 50020:1994 sub-clause 6.4.7 and 6.4.8 - Verification of CTI for 'i'**

Question 1: How shall CTI for PCBs, with creepage distances on which intrinsic safety depends, be verified?

Answer: By making own CTI measurements or measurements by a sub-contracted laboratory or accept CTI values provided by the apparatus manufacturer backed up with evidence of quality assured measurement (e.g. accredited test report) according to the correct test procedure (IEC 60112:1979). CTI values together with a reference to the correct test procedure (IEC 60112:1979) specified in the documentation by the apparatus manufacturer or manufacturer of the PCB, can also be accepted if backed up by experience of the laboratory.

Question 2: For which cases shall CTI be verified for coated PCBs?

Answer: CTI shall be verified for both coated and uncoated PCB, irrespective of if conductive parts protrude through the coating or not.

This ExNB Interpretation/Clarification Sheet has the sole purpose of clarifying the application of the EN Standards and/or of the requirements of Directive 94/9/EC and related documents. It does not in any way change the content of the standards and/or of the requirements. It remains valid until an official answer is received from the European Commission of the relevant standardization bodies.

However, for PCBs with coating according to sub-clause 6.4.8 and with no conductors emerging from the coating (including no conductive parts with sharp edges), CTI need not to be verified for neither coated nor uncoated samples of the PCB.