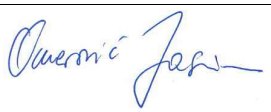
ExNB	Co-ordination of Notified Bodies Directive 2014/34/EU of the European Parliament and of the Council (ATEX) *Equipment and protective systems intended for use in potentially explosive atmosphere*	Clarification Sheet N° ExNB/CS/027

Originator	WG 98/5	**Status:**	Initial proposal	**Date:**	2012-12-05
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Air velocity test according to EN 60079-29-1, clause 5.4.10.2

Authorised by Chairman:	**Dr. Thedens**	**Date:**	**2015-01-16**
Confirmed by Chairman: (Step*5.2.5)	**Mr. Omerovic**	**Date:**	**2021-03-17**
		Signature	
Former number of document:	**ExNB/14/362/CS**		

Question:

How shall the requirement “orient the sensor in relation to the direction of the airflow” be understood (EN 60079-29-1, clause 5.4.10.2)?

Answer:

Clause 5.3.10 requires that all tests shall be performed with the orientation of the device as recommended by the manufacturer. This implies that the orientation of the device shall be kept constant during the air velocity test according to clause 5.4.10.2. Only the direction of the airflow has to be changed during the test.

If it is demonstrated in the orientation test that the variation of the measured values in clean air and standard test gas is negligible (which means that it is less than or equal to 1 % of the measuring range), it is allowed to vary the orientation of the device and keep the direction of the airflow constant.

Subject:	**Directive, 2014/34/EU Article No.**	
	Directive, ESR No.	
	Directive, Module Annex No.	
	Standard, No.	EN 60079-29-1, clause 5.4.10.2

This ExNB Interpretation/Clarification Sheet has the sole purpose of clarifying the application of the EN Standards and/or of the requirements of Directive 2014/34/EU 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.