

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 60079-2
Edition 6.0 2014-07

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Explosive atmospheres –

Atmosphères explosives –

**Part 2: Equipment protection by pressurized
enclosure "p"**

**Partie 2: Protection du matériel par enveloppe à
surpression interne "p"**

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

Foreword

Add the following new table and text after the first table explaining the significance of changes between IEC 60079-2, Edition 6.0, 2014 and IEC 60079-2, Edition 5.0, 2007:

The significance of changes between IEC 60079-2, Edition 6.0, 2014 and IEC 61241-4, Edition 5.0, 2007 are as listed below:

		Type		
Changes	Clause in 61241-4	Minor and Editorial Changes	Extension	Major Technical Changes
Removed type of protection "pD". Included in 3.20, 3.21 and 3.22	3.1		X	
Definition of pressurization now accommodates both gas and dust	3.3		X	
Definition of protective gas now accommodates both gas and dust	3.4		X	
Removed definition for an enclosure. Defined in IEC 60079-0	3.5	X		
Removed note in definition for pressurized enclosure.	3.6	X		
Replaced definition of static pressurization with 60079-2 definition	3.7	X		
Removed definition for "pressurization with continuous flow of the protective gas". Term not used in 61241-4	3.9	X		
Removed definition for "electrical apparatus". Definition is covered in IEV	3.10	X		
Definition of ignition-capable apparatus now accommodates both gas and dust	3.11	X		
Removed definition for "self-revealing fault". Term not used in 61241-4	3.12	X		
Removed definition for "opening". Term not used in 61241-4	3.13	X		
Removed definition for "protective device". These are mostly referred to as a "safety device" throughout 61241-4.	3.14	X		

Changes	Clause in 61241-4	Type		
		Minor and Editorial Changes	Extension	Major Technical Changes
Removed definition for “protected apparatus”. This was only used to address batteries which are now covered in Annex G and Annex H.	3.17	X		
Replaced definition of “pressurization system” with 60079-2 definition	3.18	X		
Removed definition for “alternate (or auxiliary) source of supply of protective gas”. Term used is “second source of Supply. This is now addressed in 60079-2, 9.1	3.19	X		
Removed definition for “zones in Area Classification” This definition is provided in 60079-10-2.	3.20	X		
Removed definition for “zone 20 in Area Classification”. See above	3.21	X		
Removed definition for “zone 21 in Area Classification”. See above	3.22	X		
Removed definition for “zone 22 in Area Classification”. See above	3.23	X		
Removed Clause on “Pressurization principle” including sub-clauses. This information is covered by the definition of “Pressurization”, see 3.13 and other clauses in the standard.	4	X		
Removed Clause on “Electrical performance of apparatus”. Safe performance of equipment is addressed by 60079-0, 6.1 b)	5.1	X		
Removed note about equipment with large surface areas subjected to pressures > 1kPa may be subject to pressure vessel legislation.	5.2	X		
Text on apertures is equivalently covered by 5.5 and 5.6	5.3	X		
Text on electrical connections is equivalently covered in 60079-0, clause 14.	5.4	X		
Text on delaying opening of an enclosure because of internal hot surface is equivalently covered in clause 15.	5.5	X		
Removed text on providing suitable amount of doors or covers to provide for effective removal of dust from the enclosure. The text in 61241-4 would not lend itself to consistent assessments from different CBs.	5.5	X		
Text on temperature limits is equivalently covered in clause 6 and 60079-0, 26.5.1.3.	6	X		
Removed text on the responsibility of the manufacturer. Addressed in 60079-0.	7.1	X		
Removed text on the responsibility of the user. Addressed in 60079-14.	7.1	X		
Removed text that manufacturer shall provide instructions for cleaning the enclosure. Addressed in 60079-14.	7.1	X		
Removed text requiring a safety device to operate when the pressure within the enclosure exceeds the permitted maximum pressure. It is the user responsibility to not exceed the rated maximum pressure.	7.2	X		
Removed text requiring the isolation of the neutral conductor. Addressed in 60079-14.	7.4	X		
Text on failure of pressurization is equivalently covered by clause 7 & 13.3.	7.5	X		
Removed text on location of visible or audible alarms. Addressed in 60079-14.	7.5.1	X		
Removed text requiring both disconnection and alarming for Zone 21 Db. Addressed in 60079-14.	7.5.1.1	X		
Text on warning marking on doors and covers is equivalently covered in 5.3.6.	7.5.1.2	X		
Removed text about providing means for removing oil or moisture. Addressed in 60079-14, 13.1.6.	9.1	X		
Removed text requiring the minimum overpressure be verified over a 5 minute period. It is not considered that this measurement is time dependent.	10.4.1	X		
Removed text requiring the minimum overpressure be verified with	10.4.2	X		