#### STATUTORY RULES OF NORTHERN IRELAND

## 2017 No. 90

### **HEALTH AND SAFETY**

# The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations (Northern Ireland) 2017

Made - - - - 15th June 2017
Coming into operation 10th July 2017

# THE EQUIPMENT AND PROTECTIVE SYSTEMS INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES REGULATIONS (NORTHERN IRELAND) 2017

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- 12. Labelling and packaging of products, other than components
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Status: This is the original version (as it was originally made).

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# ESSENTIAL HEALTH AND SAFETY REQUIREMENTS RELATING TO THE DESIGN AND CONSTRUCTION OF EQUIPMENT AND PROTECTIVE SYSTEMS INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES (Annex II to the ATEX Directive)

1. Preliminary observations

#### COMMON REQUIREMENTS FOR EQUIPMENT AND PROTECTIVE SYSTEMS

#### General requirements

- 2. Principles of integrated explosion safety
- 3. Special checking and maintenance conditions
- 4. Surrounding area conditions
- 5. Marking
- 6. Instructions
- 7. Selection of materials
- 8. Design and construction
- 9. Enclosed structures and prevention of leaks
- 10. Dust deposits
- 11. Additional means of protection
- 12. Safe opening
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- 16. Hazards arising from different ignition sources
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- 18. Hazards arising from stray electric and leakage currents
- 19. Hazards arising from overheating
- 20. Hazards arising from pressure compensation operations
- 21. Hazards arising from external effects
- 22. Requirements in respect of safety-related devices
- 23. Control and display units
- 24. Requirements in respect of devices with a measuring function for explosion protection
- 25. Risks arising from software
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- 27. Hazards arising from power failure
- 28. Hazards arising from connections
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### SUPPLEMENTARY REQUIREMENTS IN RESPECT OF EQUIPMENT

Requirements applicable to equipment in equipment-group I

- 30. Requirements applicable to equipment in category M 1 of equipment-group I
- 31. Requirements applicable to equipment in category M 2 of equipment-group I

Requirements applicable to equipment in category 1 of equipment-group II

32. Explosive atmospheres caused by gases, vapours or mists

#### 33. Explosive atmospheres caused by air and dust mixtures

Requirements applicable to equipment in category 2 of equipment-group II

- Explosive atmospheres caused by gases, vapours or mists
- Explosive atmospheres caused by air and dust mixtures 35.

Requirements applicable to equipment in category 3 of equipment-group II

- 36 Explosive atmospheres caused by gases, vapours or mists
- Explosive atmospheres caused by air and dust mixtures 37.

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38. General requirements

#### Planning and design

- 39 Characteristics of materials
- 40. Pressure-relief systems
- 41. Explosion suppression systems
- 42 Explosion decoupling systems
- 43 Protective systems shall be capable of being integrated into a...

#### **SCHEDULE** NOTIFIED BODY REQUIREMENTS

- 1. A conformity assessment body shall be established in Northern Ireland...
- 2 A conformity assessment body shall be a third party body...
- A body belonging to a business association or professional 3 federation...
- 4. (1) A conformity assessment body, its top level management and...
- 5. A conformity assessment body, its top level management and the...
- A conformity assessment body, its top level management and the... 6.
- A conformity assessment body shall ensure that the activities of... 7.
- A conformity assessment body and its personnel shall carry out... 8. 9. A conformity assessment body shall be capable of carrying out...
- 10. A conformity assessment body shall have—(a) personnel with
- 11. A conformity assessment body shall have the means necessary to...
- The personnel responsible for carrying out conformity assessment 12 activities shall...
- 13. A conformity assessment body shall be able to demonstrate the...
- 14. The remuneration of the top level management and the personnel...
- 15. A conformity assessment body shall have, and shall satisfy the...
- A conformity assessment body shall ensure that its personnel 16. observe...
- 17. Paragraph 16 does not prevent the personnel from providing information...
- A conformity assessment body shall participate in, or ensure that... 18

#### SCHEDULE OPERATIONAL OBLIGATIONS OF NOTIFIED BODIES

- 1. A notified body shall carry out conformity assessments in accordance...
- 2. A notified body shall carry out conformity assessments in a...
- 3. A notified body shall perform its activities taking due account...

A notified body shall respect the degree of rigour and...

5.	Where a notified body finds that essential health and safety
6.	Where, in the course of the monitoring of conformity following
7.	Where the notified body has required a manufacturer to take
8.	Paragraph 9 applies where a notified body is minded to—
9.	Where this paragraph applies, the notified body shall—
10.	A notified body shall inform the Executive of—
11.	A notified body shall make provision in its contracts with
12.	A notified body shall provide other bodies notified under the
13.	A notified body shall participate in the work of any
14.	A notified body shall—(a) acknowledge receipt of the technical
SCHEDULE	ENFORCEMENT POWERS OF THE HEALTH AND SAFETY
4	EXECUTIVE FOR NORTHERN IRELAND UNDER THE 1978
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2.	Withdrawal notice
3.	Recall notice
4.	Interpretation
SCHEDULE	EU DECLARATION OF CONFORMITY (No. XXXX)
6	
1.	Product model/product (product, type, batch or serial number):
2.	Name and address of manufacturer and, where applicable, the

Object of the declaration (identification of product allowing 4. traceability; it...

This declaration of conformity is issued under the sole

- 5. The object of the declaration described above is in conformity...
- References to the relevant harmonised standards used or references 6.
- 7. Where applicable, the notified body (name, number) performed (description of...
- Additional information: Signed for and on behalf of: (place and...

**SCHEDULE AMENDMENTS** 

3.

4.

**SCHEDULE** REVOCATIONS

**Explanatory Note** 

authorised...

responsibility...