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AS/NZS 60079.17:2009 Explosive atmospheres - Part 17: Electrical installations inspection and maintenance

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Abbreviation

AS/NZS 60079.17:2009

Amendment

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Author

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Description

This Standard sets out the procedures for the inspection and maintenance of electrical installations within hazardous areas, where the hazard may be caused by flammable gases, vapours, mists, dusts, fibres or flyings.

Adopted with national modifications from IEC 60079-17, Ed.4.0(2007).

Scope

This part of AS/NZS 60079/IEC 60079 applies to users and covers factors directly related to the inspection and maintenance of electrical installations within hazardous areas only, where the hazard may be caused by flammable gases, vapours, mists, dusts, fibres or flyings.

It does not include:

- other fundamental installation and inspection requirements for electrical installations;
- the verification of electrical equipment;
- the repair and reclamation of explosion protected equipment (see IEC 60079-19 and/or AS/NZS 3800).

This standard supplements the requirements of AS/NZS 3000IEC 60364-6.

In the case of dusts, fibres or flyings the level of housekeeping may influence the inspection and maintenance requirements.

This standard is intended to be applied where there can be a risk due to the presence of explosive gas or dust mixtures with air or combustible dust layers under normal atmospheric conditions. It does not apply to

- underground mining areas,
- areas where a risk can arise due to the presence of hybrid mixtures,
- dusts of explosives that do not require atmospheric oxygen for combustion,
- pyrophoric substances.

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[Table of Contents](#) [View on Information Provider website](#) [{{ linkText }}](#)

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[Back](#)

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[View on Information Provider website](#)

[AS/NZS 60079.17:2009 Explosive atmospheres - Part 17: Electrical installations inspection and maintenance](#)

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Back

Close

Table of Contents

1 Scope

2 Normative References

3 Terms And Definitions

4 General Requirements

4.1 Documentation

4.2 Competency qualification Of Personnel

4.3 Inspections

4.4 Periodic Inspections

4.5 Continuous Supervision By Skilled Personnel

4.6 Maintenance Requirements

4.7 Environmental Conditions

4.8 Isolation Of Equipment

4.9 Earthing And Equipotential Bonding

4.10 Specific Conditions Of Use

4.11 Movable Equipment And Its Connections

4.12 Inspection Schedules (Tables 1 To 4)

5 Additional Inspection Schedule Requirements

5.1 Type Of Protection “D” – Flameproof Enclosure (See Table 1 And As/Nzs 60079.1iec 60079-1)

5.2 Type Of Protection “E” – Increased Safety (See Table 1 And As/Nzs 60079.7iec 60079-1))

5.3 Type Of Protection “I” And “Id” – Intrinsic Safety (See Table 2 And As/Nzs 60079.1iec 60079-1) Or As/Nzs 61241.11iec 61241-11)

5.4 Type Of Protection “P” And “PD” – Pressurized Enclosure (See Table 3 And As/Nzs 60079.2iec 60079-2 Or As/Nzs 61241.4iec 61241-4)

5.5 Type Of Protection “N” (See Table 1 Or 2 And As/Nzs 60079.15iec 60079-15)

5.6 Type Of Protection “Td” – Protection By Enclosure (See Table 4 And As/Nzs 61241.1iec 61241-1)

5.7 Types Of Protection “M” And “MD” (Encapsulation), “O” (Oil-Immersion) And “Q” (Powder-Filling)

5.8 Type Of Protection “V” – Ventilation (See As 1482) And Analyser Houses

5.9 Rooms With Type Of Protection “P” – Pressurization (See As 2380.4 And IEC/TR 60079-13) And Pressurized Rooms

6 Inspection Schedules

Annex A (Informative) Typical Inspection Procedure For Periodic Inspections

Annex B (Normative) Knowledge, Skills And Competencies Of “Responsible Persons”, “Technical Persons With Executive Function” And “Operatives”

Annex C (Informative) Introduction Of An Alternative Risk Assessment Method Encompassing “Equipment Protection Levels” For Ex Equipment

Annex ZA (Informative) Fitness-For-Purpose Assessment

Bibliography

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