MAURITIAN STANDARD

MS 63:2020

(BS 7671:2018 + Cor.1:2018+Amd1:2020)

Fourth edition
2020-12-05

Requirements for Electrical Installations

This national standard is the identical implementation of BS 7671:2018 including Corrigendum No.1: 2018 and Amendment No 1:2020 and is adopted with the permission of the British Standards Institution (BSI) with the approval of Institution of Engineering and Technology (IET).

ICS: 29.020, 91.140.50

Mauritius Standards Bureau

Moka

National foreword

This Mauritian Standard was drawn up by the **Electrical Engineering Standards Committee** through its **Subcommittee on Requirements for Electrical Installations** and approved by the **Standards Council** on **20 November 2020** and was notified in the Government Gazette on **05 December 2020**.

This Mauritian Standard is an adoption of BS 7671:2018, including Corrigendum No. 1:2018 and Amendment No 1:2020 - Requirements for electrical installations and is implemented with the permission of the British Standards Institution (BSI) with the approval of Institution of Engineering and Technology (IET).

MS 63:2020 (BS 7671:2018 including Corrigendum No. 1 and Amendment No 1:2020) cancels and replaces the third edition, MS 63:2012 (BS 7671:2018), Requirements for electrical Installations which has been technically revised.

The text of the British Standard has been approved as suitable for publication as a Mauritian Standard with the following note:

- The term "Regulations" in MS 63:2020 refers to either:

    1) clauses and sub clauses of the document; or
    2) corresponding Local Acts / Regulations prevailing in Mauritius.

- List of relevant prevailing Acts / Regulations in Mauritius:

    1) The Occupational Safety and Health Act 2005;
    2) The Occupational Safety and Health (Electricity at Work) Regulations 2009'
    3) The Occupational Safety and Health (Employees' Lodging Accommodation) Regulations 2011;
    4) The Occupational Safety and Health (Ship Construction and Ship Repairs) Regulations 2013;
    5) The Occupational Safety and Health (Work at Height) Regulations 2013;
    6) Occupational Safety and Health (Personal Protective Equipment) Regulations 2012;
    7) The Occupational Safety and Health (Safety of Scaffolds) Regulations 2013.

- Section 443.5 applies to the UK only and is not relevant in Mauritius.

- Clause 514.12.2 of Corrigendum 1:2019 to BS 7671:2018 (MS 63:2020) should read as:

    "Frequency at which the RCD is to be tested should be as recommended by the manufacturer; or if not specified, to be mechanically tested (push button) at least once monthly."

General Notice No 2076 of 2020

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BRITISH STANDARD

BS 7671:2018

Requirements for Electrical Installations

IET Wiring Regulations
Eighteenth Edition

Publication Information

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British Standards Institution is the independent national body responsible for preparing British Standards. It presents the UK view on standards in Europe and at the international level. It is incorporated by Royal Charter.

This British Standard was published under the joint authority of the IET and of the Standards Policy and Strategy Committee on 1 July 2018.

The UK participation in its preparation was entrusted to Joint Technical Committee JPEL/64 Electrical Installations. A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application. Compliance with a British Standard cannot confer immunity from legal obligations.

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It is the constant aim of the IET and BSI to improve the quality of our products and services. We should be grateful if anyone finding an inaccuracy or ambiguity while using this British Standard would inform the Secretary, G D Cronshaw {gcronshaw@theiet.org}, The IET, Six Hills Way, Stevenage, SG1 2AY, United Kingdom.

IET Standards & Compliance staff

as at June 2018

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Foreword

This British Standard is published under the direction of the British Electrotechnical Committee (BEC) and the Institution of Engineering and Technology (IET).

Following a full review, this Standard replaced the 17th Edition of the IEE Wiring Regulations BS 7671:2008 as amended. Copyright is held jointly by the IET and BSI.

Technical authority for this Standard is vested in the Joint IET/BSI Technical Committee JPEL/64. This Joint Technical Committee, which is responsible for the work previously undertaken by the IEE Wiring Regulations Committee and the BSI Technical Committee PEL/64, meets the constitutional and operational requirements of both parent bodies. JPEL/64 has the responsibility for the content of this British Standard under the joint authority of the IET and the BSI Standards Board.

All references in this text to the Wiring Regulations or the Regulation(s), where not otherwise specifically identified, shall be taken to refer to BS 7671:2018 Requirements for Electrical Installations.

Additions or alterations to the regulations owing to the issue of BS 7671:2018 are indicated by a side bar in the margin.

Introduction to BS 7671:2018

BS 7671:2018 Requirements for Electrical Installations was issued on 1st July 2018 and is intended to come into effect on 1st January 2019. Installations designed after 31st December 2018 are to comply with BS 7671:2018.

The Regulations apply to the design, erection and verification of electrical installations, also additions and alterations to existing installations. Existing installations that have been installed in accordance with earlier editions of the Regulations may not comply with this edition in every respect. This does not necessarily mean that they are unsafe for continued use or require upgrading.

A summary of the main changes is given below.

NOTE: This is not an exhaustive list.

Part 1 Scope, object and fundamental principles

Regulation 133.1.3 (Selection of equipment) has been modified and now requires certain usage of equipment to be recorded on the appropriate electrical certification specified in Part 6.

Part 2 Definitions

Definitions have been expanded and modified.

Chapter 41 Protection against electric shock

Section 411 contains a number of significant changes. Some of the main ones are mentioned below.

Metallic pipes entering the building having an insulating section at their point of entry need not be connected to the protective equipotential bonding (Regulation 411.3.1.2).

The maximum disconnection times stated in Table 41.1 now apply to final circuits rated up to 63 A with one or more socket-outlets and final circuits rated up to 32 A supplying only fixed connected current-using equipment (Regulation 411.3.2.2).

Regulation 411.3.3 has been revised and now applies to socket-outlets with a rated current not exceeding 32 A. There is an exception to omit RCD protection where, other than for a dwelling, a documented risk assessment determines that RCD protection is not necessary.

A new Regulation 411.3.4 requires that, within domestic (household) premises, additional protection by an RCD with a rated residual operating current not exceeding 30 mA shall be provided for AC final circuits supplying luminaires.

Regulation 411.4.3 has an addition that states that no switching or isolating device shall be inserted in a PEN conductor.

Regulations 411.4.4 and 411.4.5 have been redrafted.

The regulations concerning IT systems (411.6) have been reorganized. Regulations 411.6.3.1 and 411.6.3.2 have been deleted and 411.6.4 redrafted and a new Regulation 411.6.5 inserted.

A new Regulation group (419) has been inserted where automatic disconnection according to Regulation 411.3.2 is not feasible, such as electronic equipment with limited short-circuit current.

Chapter 42 Protection against thermal effects

A new Regulation 421.1.7 has been introduced recommending the installation of arc fault detection devices (AFDDs) to mitigate the risk of fire in AC final circuits of a fixed installation due to the effects of arc fault currents.

Regulation 422.2.1 has been redrafted. Reference to conditions BD2, BD3 and BD4 has been deleted. A note has been added stating that cables need to satisfy the requirements of the CPR in respect of their reaction to fire and making reference to Appendix 2, item 17. Requirements have also been included for cables that are supplying safety circuits.

Chapter 44 Protection against voltage disturbances and electromagnetic disturbances

Section 443, which deals with protection against overvoltages of atmospheric origin or due to switching, has been redrafted.

The AQ criteria (conditions of external influence for lightning) for determining if protection against transient overvoltages is needed are no longer included. Instead, protection against transient overvoltages has to be provided where the consequence caused by overvoltage (see Regulation 443.4):

(i) could result in serious injury to, or loss of, human life, or
(ii) could result in interruption of public services/or damage to and cultural heritage, or
(iii) could result in interruption of commercial or industrial activity, or
(iv) could affect a large number of co-located individuals.

For all other cases, a risk assessment has to be performed in order to determine if protection against transient overvoltage is required.

There is an exception not to provide protection for single dwelling units in certain situations.

Chapter 46 Isolation and switching

A new Chapter 46 has been introduced. This deals with non-automatic local and remote isolation and switching measures for the prevention or removal of dangers associated with electrical installations or electrically powered equipment. Also, switching for the control of circuits or equipment. Where electrically powered equipment is within the scope of BS EN 60204, only the requirements of that standard apply.

Chapter 52 Selection and erection of wiring systems

Regulation 521.10.202, which gives requirements for the methods of support of wiring systems, has replaced Regulation 521.11.201. This is a significant change. Regulation 521.10.202 requires cables to be adequately supported against their premature collapse in the event of a fire and applies throughout the installation, not just in escape routes as previously.

Regulation 527.1.3 has also been modified, and a note added stating that cables also need to satisfy the requirements of the CPR in respect of their reaction to fire.

Chapter 53 Protection, isolation, switching, control and monitoring

This chapter has been completely revised and deals with general requirements for protection, isolation, switching, control and monitoring and with the requirements for selection and erection of the devices provided to fulfil such functions.

Section 534 Devices for protection against overvoltage

This section focuses mainly on the requirements for the selection and erection of SPDs for protection against transient overvoltages where required by Section 443, the BS EN 62305 series, or as otherwise stated. Section 534 has been completely revised. The most significant technical change refers to the selection requirements for the voltage protection level.

Chapter 54 Earthing arrangements and protective conductors

Two new regulations (542.2.3 and 542.2.8) have been introduced concerning earth electrodes.

Chapter 55 Other equipment

Regulation 550.1 introduces a new scope.

New Regulation 559.10 refers to ground-recessed luminaires, the selection and erection of which shall take account of the guidance given in Table A.1 of BS EN 60598-2-13.

Part 6 Inspection and testing

Part 6 has been completely restructured, including the regulation numbering to align with the CENELEC standard. Chapters 61, 62 and 63 have been deleted and their content now forms two new Chapters 64 and 65.

Section 704 Construction and demolition site installations

This section contains a number of small changes, including requirements for external influences (Regulation 704.512.2), and a modification to Regulation 704.410.3.6 to include the non-use of the protective measure of electrical separation.

Section 708 Electrical installations in caravan/camping parks and similar locations

This section contains a number of changes including requirements for socket-outlets, RCD protection, and operational conditions and external influences.

Section 710 Medical locations

This section contains a number of small changes including the removal of Table 710, and changes to Regulations 710.415.2.1 to 710.415.2.3 concerning equipotential bonding. In addition, a new Regulation 710.421.1.201 states requirements regarding the installation of AFDDs.

Section 715 Extra-low voltage lighting installations

This section contains only minor changes including modifications to Regulation 715.524.201.

Section 721 Electrical installations in caravans and motor caravans

This section contains a number of changes to the requirements concerning electrical separation, RCDs, proximity to non-electrical services and protective bonding conductors.

Section 722 Electric vehicle charging installations

This section contains significant changes to Regulation 722.411.4.1 concerning the use of a PME supply. The exception concerning reasonably practicable has been deleted. Changes have also been made to requirements for external influences, RCDs, socket-outlets and connectors.

Section 730 Onshore units of electrical shore connections for inland navigation vessels

This is an entirely new section. Section 730 applies to onshore installations dedicated to the supply of inland navigation vessels for commercial and administrative purposes, berthed in ports and berths. Most, if not all, of the measures used to reduce the risks in marinas apply equally to electrical shore connections for inland navigation vessels. One of the major differences between supplies to vessels in a typical marina and electrical shore connections for inland navigation vessels is the size of the supply needed.

Section 753 Heating cables and embedded heating systems

This retitled section has been completely revised. The scope of Section 753 has been extended to apply to embedded electric heating systems for surface heating. The requirements also apply to electric heating systems for de-icing, frost prevention and similar applications, and cover both indoor and outdoor systems. Heating systems for industrial and commercial applications complying with BS EN 60519, BS EN 62395 and BS EN 60079 are not covered.

Appendices

The following main changes have been made within the appendices:

Appendix 1 British Standards to which reference is made in the Regulations has been updated, as necessary.

Appendix 3 Time/current characteristics of overcurrent protective devices and RCDs

The previous content of Appendix 14 concerning earth fault loop impedance has been moved into Appendix 3.

Appendix 6 Model forms for certification and reporting

This appendix includes minor changes to the certificates, changes to the inspections (for new installation work only) for domestic and similar premises with up to 100 A supply, and examples of items requiring inspection for an electrical installation condition report.

Appendix 8 Current-carrying capacity and voltage drop for busbar trunking and powertrack systems

This appendix includes changes regarding rating factors for current-carrying capacity.

Appendix 14 Determination of prospective fault current

As stated earlier, the content of Appendix 14 concerning earth fault loop impedance has been moved into Appendix 3. Appendix 14 now contains information on the determination of prospective fault current.

Appendix 17 Energy efficiency

This is a new appendix that provides recommendations for the design and erection of electrical installations, including installations having local production and storage of energy, for optimizing the overall efficient use of electricity.

The recommendations within the scope of this appendix apply for new electrical installations and modification of existing electrical installations. Much of this appendix will not apply to domestic and similar installations.

It is intended that this appendix will be developed into Part 8 of BS 7671 in a future amendment.

Editions

The following editions have been published:

FIRST EDITION	Entitled 'Rules and Regulations for the Prevention of Fire Risks Arising from Electric Lighting'. Issued in 1882.
SECOND EDITION	Issued in 1888.
THIRD EDITION	Entitled 'General Rules recommended for Wiring for the Supply of Electrical Energy'. Issued in 1897.
FOURTH EDITION	Issued in 1903.
FIFTH EDITION	Entitled 'Wiring Rules'. Issued in 1907.
SIXTH EDITION	Issued in 1911.
SEVENTH EDITION	Issued in 1916.
EIGHTH EDITION	Entitled 'Regulations for the Electrical Equipment of Buildings'. Issued in 1924.
NINTH EDITION	Issued in 1927.
TENTH EDITION	Issued in 1934.
ELEVENTH EDITION	Issued in 1939. Revised, issued in 1943. Reprinted with minor Amendments, 1945. Supplement issued, 1946. Revised Section 8 issued, 1948.
TWELFTH EDITION	Issued in 1950. Supplement issued, 1954.
THIRTEENTH EDITION	Issued in 1955. Reprinted 1958, 1961, 1962 and 1964.
FOURTEENTH EDITION	Issued in 1966. Reprinted incorporating Amendments, 1968. Reprinted incorporating Amendments, 1969. Supplement on use in metric terms issued, 1969. Amendments issued, 1970. Reprinted in metric units incorporating Amendments, 1970. Reprinted 1972. Reprinted 1973. Amendments issued, 1974. Reprinted incorporating Amendments, 1974. Amendments issued, 1976. Reprinted incorporating Amendments, 1976.
FIFTEENTH EDITION	Entitled 'Regulations for Electrical Installations'. Issued in 1981. (Red Cover) Amendments issued, 1 January 1983. Reprinted incorporating Amendments, 1983. (Green Cover) Amendments issued, 1 May 1984. Reprinted incorporating Amendments, 1984. (Yellow Cover) Amendments issued, 1 January 1985. Amendments issued, 1 January 1986. Reprinted incorporating Amendments, 1986. (Blue Cover) Amendments issued, 12 June 1987. Reprinted incorporating Amendments, 1987. (Brown Cover) Reprinted with minor corrections, 1988. (Brown Cover)
SIXTEENTH EDITION	Issued in 1991. (Red Cover) Reprinted with minor corrections, 1992. (Red Cover) Entitled and reprinted as 'Requirements for Electrical Installations BS 7671:1992'. (Red Cover) Amendment No 1 issued, December 1994. Reprinted incorporating Amendment No 1, 1994. (Green Cover) Amendment No 2 issued, December 1997. Reprinted incorporating Amendment No 2, 1997. (Yellow Cover) Amendment No 3 issued, April 2000. BS 7671:2001 issued, June 2001. (Blue Cover) Amendment No 1 issued, February 2002. Amendment No 2 issued, March 2004. Reprinted incorporating Amendments 1 and 2, 2004. (Brown Cover)
SEVENTEENTH EDITION	BS 7671:2008 issued, January 2008. (Red Cover) Reprinted incorporating Amendment No 1, 2011. (Green Cover) Amendment 2 issued, Aug 2013. Reprinted incorporating Amendments 2 and 3, 2015. (Yellow Cover)
EIGHTEENTH EDITION	BS 7671:2018 issued, July 2018. (Blue Cover)

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Preface

BS 7671:2018, Requirements for Electrical Installations, takes account of the technical substance of agreements reached at CENELEC level in Harmonized Documents (HD). Where no CENELEC HD exists, IEC level documents are taken into account. In particular, the technical intent of the following CENELEC HDs and IEC documents is included:

HD or IEC	Year	Document reference	BS 7671
HD 60364-1	2008	Fundamental principles, assessment of general ..., definitions	Parts 1, 2, 3
HD 60364-4-41	2007 (2017)	Protection against electric shock	Chapter 41
HD 60364-4-42	2011 (2015)	Protection against thermal effects	Chapter 42
HD 60364-4-43	2010	Protection against overcurrent	Chapter 43
IEC 60364-4-44	2007 (2015)	Introduction to voltage & electro disturbances	Section 440
HD 60364-4-442	2012	Protection of low voltage installations against temporary overvoltages ...	Section 442
HD 60364-4-443	2016	Protection against overvoltages	Section 443
HD 60364-4-444	2012	Measures against electromagnetic disturbances	Section 444
IEC 60364-4-44	2015	Protection against overvoltage	Section 445
HD 60364-4-46	2016	Isolation and switching	Chapter 46
HD 60364-5-51	2009 (2013)	Selection and erection - Common rules	Chapter 51
HD 60364-5-52	2011	Selection and erection of wiring systems	Chapter 52
HD 60364-5-53	2015	Protection, isolation, switching, control and monitoring	Chapter 53
HD 60364-5-534	2016	Devices for protection against overvoltage	Section 534
HD 60364-5-54	2011	Earthing arrangements	Chapter 54
HD 60364-5-551	2010 (2016)	Low voltage generating sets	Section 551
HD 60364-5-557	2013(2016)	Auxiliary circuits	Section 557
HD 60364-5-559	2012 (2017)	Outdoor lighting installations	Section 559
HD 60364-6	2016	Initial verification	Part 6
HD 60364-7-701	2007 (2011)	Locations containing a bath or shower	Section 701
HD 60364-7-702	2010	Swimming pools and other basins	Section 702
HD 60364-7-703	2005	Sauna heaters	Section 703
HD 60364-7-704	2007 (2008)	Construction and demolition site installations	Section 704
HD 60364-7-705	2007	Agricultural and horticultural premises	Section 705
HD 60364-7-706	2007	Locations with restricted movement	Section 706
FprHD 60364-7-708	2017	Caravan parks, camping parks and similar locations	Section 708
HD 60364-7-709	2010 (2012)	Marinas and similar locations	Section 709
HD 60364-7-710	2012	Medical locations	Section 710
HD 384.7.711 SI	2003	Exhibitions, shows and stands	Section 711
HD 60364-7-712	2005	Solar photovoltaic (PV) power supply systems	Section 712
HD 60364-7-714	2012	Outdoor lighting installations	Section 714
HD 60364-7-715	2012	Extra-low voltage lighting installations	Section 715
HD 60364-7-717	2010 (2014)	Mobile or transportable units	Section 717
FprIEC 60364-7-721	2017	Electrical installations in caravans and motor caravans	Section 721
HD 60364-7-722	2016	Supply of electric vehicles	Section 722
HD 60364-7-729	2009	Operating and maintenance gangways	Section 729
HD 60364-7-730	2015	Onshore units of electrical shore connections for inland navigation vessels	Section 730
HD 60364-7-740	2006	Temporary electrical installations for structures, amusement devices and booths at fairgrounds, amusement parks and circuses	Section 740
HD 60364-7-753	2014	Heating cables and embedded heating systems	Section 753
HD 60364-5-51	2009 (2013)	External influences	Appx 5
HD 308 S2	2001	Identification of cores, in cables and flexible cords	Appx 7
HD 60364-8-1	2015	Energy efficiency	Appx 17

The dates in brackets refer to the year of issue of amendments to the documents.

Where the above documents contain UK special national conditions, those conditions have been incorporated within BS 7671. If BS 7671 is applied in other countries the above documents should be consulted to confirm the status of a particular regulation.

BS 7671 will continue to be amended from time to time to take account of the publication of new or amended CENELEC and IEC standards. The opportunity has been taken to revise regulations that experience has shown require clarification or to allow for new technology and methods.

Reference is made throughout BS 7671 to publications of the British Standards Institution, both specifications and codes of practice. Appendix 1 lists these publications and gives their full titles whereas throughout BS 7671 they are referred to only by their numbers.

Where reference is made in BS 7671 to a British Standard which takes account of a CENELEC Harmonization Document, European Norm (EN) or IEC standard, it is understood that the reference also relates to any European national standard similarly derived from the CENELEC standard, although account needs to be taken of any national exemptions.

Note by the Health and Safety Executive

The Health and Safety Executive (HSE) welcomes the publication of BS 7671:2018, Requirements for Electrical Installations, IET Wiring Regulations 18th Edition. BS 7671 and the IET/IEE Wiring Regulations have been extensively referred to in HSE guidance over the years. Installations which conform to the standards laid down in BS 7671:2018 are regarded by HSE as likely to achieve conformity with the relevant parts of the Electricity at Work Regulations 1989. Existing installations may have been designed and installed to conform to the standards set by earlier editions of BS 7671 or the IEE Wiring Regulations. This does not mean that they will fail to achieve conformity with the relevant parts of the Electricity at Work Regulations 1989.

Notes on the plan of the 18th Edition

This Edition is based on the plan agreed internationally for the arrangement of safety rules for electrical installations.

The regulation numbering follows the pattern and corresponding references of IEC 60364. The numbering does not, therefore, necessarily follow sequentially. The numbering system used in Part 7 is explained in Section 700.

In the numbering system used, the first digit signifies a Part, the second digit a Chapter, the third digit a Section and the subsequent digits the Regulation number. For example, Section number 413 is made up as follows:

PART 4 - PROTECTION FOR SAFETY

Chapter 41 (first chapter of Part 4) - PROTECTION AGAINST ELECTRIC SHOCK

Section 413 (third section of Chapter 41) - PROTECTIVE MEASURE: ELECTRICAL SEPARATION

Part 1 sets out the scope, object and fundamental principles.

Part 2 defines the sense in which certain terms are used throughout the Regulations, and provides a list of symbols used and a list of abbreviations used in the Standard.

The subjects of the subsequent parts are as indicated below:

Part	Subject
Part 3	Identification of the characteristics of the installation that will need to be taken into account in choosing and applying the requirements of the subsequent Parts. These characteristics may vary from one part of an installation to another and should be assessed for each location to be served by the installation.
Part 4	Description of the measures that are available for the protection of persons, livestock and property, and against the hazards that may arise from the use of electricity.
Part 5	Precautions to be taken in the selection and erection of the equipment of the installation.
Part 6	Inspection and testing.
Part 7	Special installations or locations - particular requirements.

The sequence of the plan should be followed in considering the application of any particular requirement of the Regulations. The general index provides a ready reference to particular regulations by subject, but in applying any one regulation the requirements of related regulations should be borne in mind. Cross-references are provided, and the index is arranged to facilitate this.

In many cases, a group of associated regulations is covered by a side heading which is identified by a two-part number, e.g. 544.2. Throughout the Regulations where reference is made to such a two-part number, that reference is to be taken to include all the individual regulation numbers which are covered by that side heading and include that two-part number.

The Regulations use the IEC decimal point numbering system to make it easier to embody future changes and additions resulting from ongoing international standards work within IEC and CENELEC. In order to identify and accommodate future IEC changes some regulations carry either a 100 or 200 number where 100 numbers represent CENELEC Harmonization Document reference numbers and 200 numbers represent UK-only regulations. Some regulations have not been 'updated' to indicate 100 and 200 numbers; that will only be done when those regulations require a significant rewrite.

PART 1

SCOPE, OBJECT AND FUNDAMENTAL PRINCIPLES

CONTENTS

PART 1

SCOPE, OBJECT AND FUNDAMENTAL PRINCIPLES

CHAPTER 11

SCOPE

110.1 GENERAL

110.1.1 The Regulations apply to the design, erection and verification of electrical installations such as those of:

(i) residential premises
(ii) commercial premises
(iii) public premises
(iv) industrial premises
(v) prefabricated buildings
(vi) low voltage generating sets
(vii) highway equipment and street furniture
(viii) locations containing a bath or shower
(ix) swimming pools and other basins
(x) rooms and cabins containing sauna heaters
(xi) construction and demolition sites
(xii) agricultural and horticultural premises
(xiii) conducting locations with restricted movement
(xiv) caravan / camping parks and similar locations
(xv) marinas and similar locations
(xvi) medical locations
(xvii) exhibitions, shows and stands
(xviii) solar photovoltaic (PV) power supply systems
(xix) outdoor lighting
(xx) extra-low voltage lighting
(xxi) mobile or transportable units
(xxii) caravans and motor caravans
(xxiii) electric vehicle charging
(xxiv) operating and maintenance gangways
(xxv) temporary installations for structures, amusement devices and booths at fairgrounds, amusement parks and circuses including professional stage and broadcast applications
(xxvi) floor and ceiling heating systems
(xxvii) onshore units of electrical shore connections for inland navigation vessels.

NOTE: "Premises" covers the land and all facilities including buildings belonging to it.

110.1.2 The Regulations include requirements for:

(i) circuits supplied at nominal voltages up to and including 1000 V AC or 1500 V DC. For AC, the preferred frequencies which are taken into account in this Standard are 50 Hz, 60 Hz and 400 Hz. The use of other frequencies for special purposes is not excluded
(ii) circuits, other than the internal wiring of equipment, operating at voltages exceeding 1000 V and derived from an installation having a voltage not exceeding 1000 V AC, e.g. discharge lighting, electrostatic precipitators
(iii) wiring systems and cables not specifically covered by the standards for appliances
(iv) all consumer installations external to buildings
(v) fixed wiring for information and communication technology, signalling, control and the like (excluding internal wiring of equipment)
(vi) additions and alterations to installations and also parts of the existing installation affected by an addition or alteration.