



NEGARA BRUNEI DARUSSALAM

**BRUNEI DARUSSALAM STANDARD
PIAWAI BRUNEI DARUSSALAM**

PBD IEC 60364-7-714:1996

IEC 60364-7-714:1996

Edition 1.0

**ELECTRICAL INSTALLATIONS OF BUILDINGS -
PART 7: REQUIREMENTS FOR SPECIAL INSTALLATIONS OR
LOCATIONS - SECTION 714: EXTERNAL LIGHTING INSTALLATIONS**

**ENERGY DIVISION, PRIME MINISTER'S OFFICE
IN COLLABORATION WITH MINISTRY OF DEVELOPMENT
NEGARA BRUNEI DARUSSALAM**

FOREWORD

This Brunei Darussalam Electrical Standard was prepared by the Technical Committee on Electrical Standards (TECO), Energy Division at Prime Minister's Office in collaboration with the Authority for Building and Construction Industry (ABCI), Ministry of Development, Brunei Darussalam with the objective of developing the National Electrical Standards for electrical products, systems, equipments and facilities for the local industry and consumers with reference to international standards, guidelines and procedures. In developing the national electrical standards, the aim is to promote quality, technical competency, health, safety and environmental standards for the local industries and consumers.

This Brunei Darussalam Electrical Standard is an adoption of the International Electro Technical Commission IEC 60364-7-714: 1996 (Edition 1.0) standard and implements it as the Brunei Darussalam National Standard.

Attention is drawn to the fact that this Brunei Darussalam Electrical Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The National Electrical Standards are subject to periodical review according to the current needs of the local industries and consumers to keep abreast of progress in the industries and consumers concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

COMMITTEE MEMBERS

The Technical Committee on Electrical Standards (TECO) was tasked by the Energy Division at the Prime Minister's Office in collaboration with the Authority for Building and Construction Industry (ABCI), Ministry of Development, Brunei Darussalam for the preparation of this Brunei Darussalam Electrical Standard. The members of the Technical Committee are as follows:

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| 1. Awg Haji Abd Shawal Yaman (Chairman) | Department of Electrical Services, PMO |
| 2. Awg Liaw Wai Khiong (Co-Chairman) | Brunei Shell Petroleum Co. Sdn Bhd / Institution of Engineering and Technology, Brunei Darussalam |
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| 4. Awg William Voon (Assistant Secretary 1) | Berakas Power Management Company, |
| 5. Awg Simon K A Leong (Assistant Secretary 2) | KR Kamarulzaman & Associates |
| 6. Awg Haji Md Azrul Azrin Hj Md Zain | Department of Electrical Services, PMO |
| 7. Awg Md Amir Sharifuddin Haji Ali | Department of Electrical Services, PMO |
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| 9. Awg Dennis Wong Tet Yin | Department of Mechanical & Electrical Services, PWD |
| 10. Awg Nohi Irwan Surkarki Haji Pawi | Department of Fire & Rescue Services |
| 11. Awg Haji Morsidi Haji Kassim | Institut Teknologi Brunei |
| 12. Awg Haji Ismit Haji Mohamad | Institut Teknologi Brunei |
| 13. Awg Matyassin Haji Masri | Maktab Kejuruteraan Jefri Bolkiah |
| 14. Awg Sylvester Kong | Brunei Shell Petroleum Co. Sdn Bhd |
| 15. Dyg Seri Malati OKIP Hj Zolkeflee | Brunei Shell Petroleum Co. Sdn Bhd |
| 16. Awang Aristoteles Momin | Brunei LNG Sdn Bhd |
| 17. Awg Rick Liaw | Hamzah Hassan Consultant |

SUB-COMMITTEE NO. 5 MEMBERS

The Sub-Committee No. 5 (SC5) is the working groups for the Electrical Wiring Code of Practice who assisted in the preparation for the adoption of the Brunei Darussalam Electrical Standard. The members of the Sub-Committee No. 5 are :

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| 1. Awg William Voon (Chairman) | Berakas Power Management Company, |
| 2. Awg Liaw Wai Khiong (Secretary) | Brunei Shell Petroleum Co. Sdn Bhd Institution of Engineering and Technology, Brunei Darussalam |
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| 13. Awg N. Sivakumar | LKH (B) Sdn Bhd |
| 14. Awg Tan Tau Minn | SEC Mashibah Sdn Bhd |

**INTERNATIONAL
STANDARD**

**IEC
364-7-714**

First edition
1996-04

Electrical installations of buildings –

Part 7:

Requirements for special installations
or locations –

Section 714: External lighting installations



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS OF BUILDINGS –

Partie 7: Requirements for special installations or locations –
Section 714: External lighting installations

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, express as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 364-7-714 has been prepared by IEC technical committee 64: Electrical installations of buildings.

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|-------------|------------------|
| 64/794/FDIS | 64/839/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

INTRODUCTION

The requirements of part 7 supplement, modify or replace certain of the general requirements of the IEC 364. The numbers following the particular number of section 714 are those of the corresponding parts, chapters, sections or clauses of IEC Publication 364. The absence of reference to a chapter, a section or a clause means that the general requirements of IEC 364 are applicable.

ELECTRICAL INSTALLATIONS OF BUILDINGS –**Partie 7: Requirements for special installations or locations –
Section 714: External lighting installations****714 External lighting installations****714.1 Scope, object and fundamental principles****714.11 Scope**

This section of IEC 364-7 deals with fixed external lighting installations.

NOTE - External lighting comprises luminaires, wiring system and accessories located outside buildings.

The requirements apply particularly to:

- lighting installations e.g. for roads, parks, gardens, public places, sporting areas, illumination of monuments and floodlighting;
- other equipment incorporating lighting such as telephone kiosks, bus shelters, advertising panels, town plans, roads signs.

These rules do not apply to:

- public lighting installations which are part of public power grid and operated by a public supply authority who is responsible for and has taken all necessary measures regarding safety;
- temporary festoon lighting;
- road traffic signal systems;
- luminaires which are fixed to the outside of a building and are supplied directly from the internal wiring of that building.

For lighting installations for swimming pools and fountains, see IEC 364-7-702.

714.12 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 364-7. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 364-7 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 364-3: 1993, *Electrical installations of buildings – Part 3: Assessment of general characteristics*

IEC 364-7-702: 1983, *Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 702: Swimming pools*

IEC 598: *Luminaires*