



NEGARA BRUNEI DARUSSALAM

**BRUNEI DARUSSALAM STANDARD  
PIAWAI BRUNEI DARUSSALAM**

**PBD IEC 60364-7-713:1996  
IEC 60364-7-713:1996**

**Edition 1.0**

**ELECTRICAL INSTALLATIONS OF BUILDINGS -  
PART 7: REQUIREMENTS FOR SPECIAL INSTALLATIONS AND  
LOCATIONS - SECTION 713: FURNITURE**

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**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 integrity, 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 60364-7-713: 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:

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
3. Pg Shaharuddin Pg Haji Yusoff  
(Secretary) ABCi, Ministry of Development
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
8. Awg Khairul Ezam Hj Mohd Zain ABCi, Ministry of Development
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 :

- |                                       |   |
|---------------------------------------|---|
| 1. Awg William Voon<br>(Chairman)     | Berakas Power Management Company,   |
| 2. Awg Liaw Wai Khiong<br>(Secretary) | Brunei Shell Petroleum Co. Sdn Bhd<br>Institution of Engineering and Technology,<br>Brunei Darussalam |
| 3. Pg Shahrudin Pg Haji Yusoff        | ABCi, Ministry of Development   |
| 4. Awg Khairul Ezam Hj Mohd Zain      | ABCi, Ministry of Development   |
| 5. Awg Simon K A Leong                | KR Kamarulzaman & Associates  |
| 6. Awg Dennis Wong Tet Yin            | Department of Mechanical & Electrical<br>Services, PWD  |
| 7. Dr Rohaniyati Salleh               | Department of Mechanical & Electrical<br>Services, PWD  |
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| 9. Awg Abdul Azia bin Abdullah        | Department of Electrical Services, PMO  |
| 10. Awg Matyassin Haji Masri          | Institut Teknologi Brunei   |
| 11. Awg Haji Morsidi Haji Kassim      | Maktab Kejuruteraan Jefri Bolkih  |
| 12. Awg Tony Ng                       | PKS Sdn Bhd   |
| 13. Awg N. Sivakumar                  | LKH (B) Sdn Bhd   |
| 14. Awg Tan Tau Minn                  | SEC Mashibah Sdn Bhd  |

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**Electrical installations of buildings –**

**Part 7:**  
Requirements for special installations  
and locations –  
Section 713: Furniture



Reference number  
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**This IEC International Standard has been adopted by CPRU, Ministry of Development,**  
**Negara Brunei Darussalam as a national standard under the IEC Affiliate Country Programme**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ELECTRICAL INSTALLATIONS OF BUILDINGS –

Part 7: Requirements for special installations and locations –  
Section 713: Furniture

## 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 364-7-713 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
64/811/FDIS	64/835/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.

## ELECTRICAL INSTALLATIONS OF BUILDINGS –

### Part 7: Requirements for special installations and locations – Section 713: Furniture

#### 700.1 Introduction

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

#### 713 Furniture

##### 713.1 General

###### 713.1.1 Scope

The particular requirements of this section apply to the wiring system of furniture (and similar fittings) which is connected to the electrical installation.

Examples are beds, cupboards, desks and shop display cases, in which electrical equipment such as luminaries, socket-outlets, switching devices and wiring systems are installed.

The requirements of this section apply to furniture connected by fixed wiring to the electrical installation of the building and also to prefabricated furniture and furniture connected by means of a plug and socket-outlet unless these items are the subject of other IEC publications.

Electrical equipment of furniture shall be connected to a single-phase supply  $\leq 240$  V, and the total load current shall not exceed 16 A.

The requirements do not apply to electrical appliances and equipment specifically designed for installation in furniture and which are the subject of other IEC publications, for example radios, TV receivers, refrigerators and laboratory tables, installed in the furniture and ready for connection to the electrical installations of buildings via plugs and socket-outlets. For special locations, other specific requirements may apply, for example see IEC 364-7-701 and IEC 364-7-707.

###### 713.1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 364. 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 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 227-3: 1993, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring*