



NEGARA BRUNEI DARUSSALAM

**BRUNEI DARUSSALAM STANDARD
PIAWAI BRUNEI DARUSSALAM**

**PBD IEC 60364-7-706:2005
IEC 60364-7-706:2005
Edition 2.0**

**LOW-VOLTAGE ELECTRICAL INSTALLATIONS -
PART 7-706: REQUIREMENTS FOR SPECIAL INSTALLATIONS
OR LOCATIONS - CONDUCTING LOCATIONS WITH RESTRICTED
MOVEMENT**

**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 60364-7-706: 2005 (Edition 2.0) 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.

INTERNATIONAL STANDARD

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Low-voltage electrical installations –

Part 7-706:
Requirements for special
installations or locations –
Conducting locations with restricted movement



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Negara Brunei Darussalam as a national standard under the IEC Affiliate Country Programme

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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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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INTRODUCTION

The requirements of this part of IEC 60364 supplement, modify or replace certain of the general requirements of the other parts of IEC 60364.

The clause numbering of part 706 follows the pattern and corresponding references of IEC 60364. The numbers following the particular number of part 706 are those of the corresponding parts, or clauses of IEC 60364.

The absence of reference to a part, a clause or a subclause means that the corresponding general requirements are applicable.

LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

Part 7-706: Requirements for special installations or locations – Conducting locations with restricted movement

706.1 Scope

The particular requirements of this part apply to fixed equipment in conducting locations where movement of persons is restricted by the location, and to supplies for portable equipment for use in such locations.

A conducting location with restricted movement is comprised mainly of metallic or other conductive surrounding parts, within which it is likely that a person will come in contact through a substantial portion of his body with the metallic or other conductive surrounding parts and where the possibility of interrupting this contact is limited.

The particular requirements of this part do not apply to location which allows a person freedom of bodily movement to work, enter, and leave the location without physical constraint.

NOTE For installation and use of arc welding equipment, see IEC 62081 TS.

706.410.3 Application of measures of protection against electric shock

The following requirement is added:

706.410.3.1.6 In conducting locations with restricted movement the following protective measures apply to circuits supplying the following current-using equipment:

- a) For the supply to hand-held tools and portable equipment:
 - SELV (Clause 411.1), or
 - electrical separation (Clause 413.5) subject to only one item of equipment being connected to a secondary winding of the isolating transformer.

NOTE An isolating transformer may have several secondary windings.

- b) For the supply to handlamps:
 - SELV (Clause 411.1).

NOTE A fluorescent luminaire with built-in step-up transformer with electrically separated windings transformer supplied at SELV is equally permitted.

- c) For the supply to fixed equipment:
 - automatic disconnection of the supply (Clause 413.1) with supplementary equipotential bonding (Subclause 413.1.6) that shall connect exposed-conductive-parts of fixed equipment and the conductive parts of the location, or
 - SELV (Clause 411.1), or
 - PELV (Clause 411.1) where equipotential bonding shall be provided between all exposed-conductive-parts, all extraneous-conductive-parts inside the conducting location with restrictive movement, and the connection of the PELV system to earth, or
- NOTE 1 In France, PELV is not allowed in conducting locations with restricted movement.
- electrical separation (Clause 413.5) subject to one item of equipment being connected to a secondary winding of the isolating transformer, or