

AS 1852(601)—1988

Australian Standard[®]

**INTERNATIONAL ELECTROTECHNICAL
VOCABULARY**

**Chapter 601—GENERATION,
TRANSMISSION
AND
DISTRIBUTION OF
ELECTRICITY—
GENERAL**

This Australian Standard was prepared by Committee TE/13, Symbols, Units & Quantities for Electrotechnology. It was approved on behalf of the Council of the Standards Association of Australia on 15 March 1988 and published on 17 June 1988.

The following interests are represented on Committee TE/13:

Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Department of Administrative Services— Construction Group (Commonwealth)
Department of Defence
Department of Technical and Further Education, N.S.W., Victoria and South
Australia
Department of Transport and Communications (Commonwealth)
Electricity Supply Association of Australia
Institute of Draftsmen, Australia
Institution of Radio and Electronics Engineers, Australia
Melbourne & Metropolitan Board of Works
Queensland Chamber of Mines
Railways of Australia Committee
Royal Melbourne Institute of Technology
Telecom Australia
The Association of Consulting Engineers, Australia
The technical press

Review of Australian Standards. *To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.*

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS 1852(601)—1988

Australian Standard®

**INTERNATIONAL ELECTROTECHNICAL
VOCABULARY**

**Chapter 601—GENERATION,
TRANSMISSION
AND
DISTRIBUTION OF
ELECTRICITY—
GENERAL**

First published as part of AS C50(25)—1970
(endorsement of IEC 50(25)—1965).
Redesignated AS 1852(25)—1970
(endorsement of IEC 50(25)—1965).
Revised and redesignated AS 1852(601)—1988.

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 5070 8

PREFACE

This Standard was prepared by the Association's Committee on Symbols, Units and Quantities for Electrotechnology, under the authority of both the Telecommunications and Electronics Standards Board and the Electrical Standards Board. This Standard together with AS 1852 (Chapters 602 to 605) supersedes AS 1852(25)—1970, *International Electrotechnical Vocabulary, Generation, transmission and distribution of electrical energy*, which was withdrawn in July 1985.

This Standard has been reproduced from IEC 50(601)—1985 and is identical with that Standard, except for the term 601-01-26 'low voltage' which has been amended to 'not used in Australia in this sense' (in a similar manner to term 601-01-28). Acknowledgement is accordingly made to the International Electrotechnical Commission for this assistance.

This Standard is the first chapter of a series of five chapters covering the generation, transmission and distribution of electricity. The division of chapters is as follows:

- Chapter 601—General
- Chapter 602—Generation
- Chapter 603—Power system planning and management
- Chapter 604—Operation
- Chapter 605—Substations

This Standard is one of the AS 1852 series of Standards. In the past, this series has consisted of direct endorsements of the IEC 50 series of the International electrotechnical Vocabulary. In future, newly issued parts of IEC 50, where appropriate, will be issued as Australian Standards, i.e. not endorsements. The full text of the definitions in English, French and Russian has been included as some definitions are considered to be incomplete when produced in one language.

The purpose of the AS 1852 series is to provide a glossary of terms used in electrical engineering. The series lists terms in English, French and Russian, and in some cases Spanish. It is intended that other Australian Standards will refer to AS 1852 and not repeat any definitions.

This Standard may require reference to the following Australian Standard:

AS 3000 *SAA Wiring Rules*

CONTENTS

SECTION	<i>Page</i>
601-01 FUNDAMENTAL TERMS	3
601-02 SYSTEM CONFIGURATION	10
601-03 EQUIPMENT	15
601-04 HIGH-VOLTAGE D.C. SYSTEMS	18
INDEX	20

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

INTERNATIONAL ELECTROTECHNICAL VOCABULARY

CHAPTER 601—GENERATION, TRANSMISSION AND DISTRIBUTION OF ELECTRICITY—GENERAL

SECTION 601-01—FUNDAMENTAL TERMS

Remarque liminaire

Le terme «network» peut être préféré au terme «system» dans certains pays et dans certaines circonstances. Les deux termes sont traduits en français par le mot «réseau». Dans la plupart des cas, les deux termes sont synonymes. Dans ce qui suit et pour alléger le texte, il a été fait usage du mot «system», mais le terme «network» peut lui être substitué selon le contexte ou les usages, ou encore comme défini ci-après.

Preliminary remark

The term “network” can in some countries and some situations be preferred to the term “system”. In many cases the terms are synonymous. Therefore, for the purposes of the definitions in this chapter, the term “system” has been used throughout for simplicity but “network” can be substituted according to the context or common usage or as defined herewith.

Предварительные замечания

Термин «Электрическая сеть» в некоторых странах и в некоторых случаях оказывается предпочтительнее, чем термин «Электрическая система». Во многих случаях они являются синонимами. Поэтому в определениях этой главы для упрощения применяется термин «система», но термин «сеть» может быть применен в определенном контексте.

601-01-01

réseau d'énergie électrique (sens large)

Ensemble d'ouvrages et de matériels destiné à produire, transporter et distribuer de l'énergie électrique.

**electrical power system
electricity supply system (in a broad sense)**

All installations and plant provided for the purpose of generating, transmitting and distributing electricity.

**система электроснабжения
(в широком смысле)**

Совокупность электроустановок, предназначенных для производства, передачи и распределения электрической энергии.

601-01-02

réseau d'énergie électrique (sens restreint)

Ensemble défini de lignes électriques et de postes assurant le transport et la distribution d'énergie électrique.

**electrical power system
electrical power network**

Particular installations, substations, lines or cables for the transmission and distribution of electricity.

электрическая сеть

Совокупность соединенных между собой воздушных или кабельных электрических линий и подстанций, предназначенных для передачи и распределения электрической энергии.

Note. — Les frontières d'un réseau sont définies en faisant un choix de critères tels que l'étendue géographique, la propriété, la tension, etc.

Note. — The boundaries of the different parts of this network are defined by appropriate criteria, such as geographical situation, ownership, voltage, etc.

Примечание. — Границы частей электрической сети определяются на основании соответствующих критериев — географическое местоположение, балансовая принадлежность, напряжение и др.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-