AS 60870.1.3—1998
IEC 60870-1-3:1997

Australian Standard®

Telecontrol equipment and systems

Part 1.3: General considerations—Glossary

[IEC title: Telecontrol equipment and systems, Part 1: General considerations, Section Three: Glossary]

This Australian Standard was prepared by Committee IT/24, Supervisory Control and Data Acquisition. It was approved on behalf of the Council of Standards Australia on 23 September 1997 and published on 5 January 1998.

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This Standard was issued in draft form for comment as DR 97095.

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First published as AS 60870.1.3—1998.

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

ISBN 0 7337 1667 9

PREFACE

This Standard was prepared by the Standards Australia Committee IT/24, Supervisory Control and Data Acquisition.

The Standard is identical with and has been reproduced from IEC 60870-1-3:1997, *Telecontrol equipment and systems*, Part 1: *General considerations* — Section Three:*Glossary*.

IEC has decided to apply a new numbering system, the 60000 series, to all its existing and future publications, including amendments to existing Standards. As a consequence, IEC has modified the bibliographic references in its databases to accord with the new numbering system. All IEC publications issued since the beginning of 1997 will carry references in terms of the 60000 series numbering. Publications printed earlier than 1997 will continue to carry the old series of numbers. For example, a reference to the IEC 60870 series of Standards will be to IEC 870 if the current edition of the Standard was printed prior to 1997.

The objective of this Standard is to provide manufacturers and users of telecontrol equipment and systems with a glossary of telecontrol terms in order to obtain consistency in their usage in Australia.

As this Standard is reproduced from an international Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'this International Standard' should read 'this Australian Standard'.

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The references to international Standards should be replaced by references to the following Australian or Joint Australian/New Zealand Standards.

Reference to International Standard or other Publication		*Australian or Joint Australian/New Zealand Standard*	
IEC		AS	
60050	International Electrotechnical Vocabulary (IEV)	1852	International Electrotechnical Vocabulary
60050(191)	Chapter 191: Dependability and quality of service	—	
60050(351)	Chapter 351: Automatic Control	—	
60050(371)	Chapter 371: Telecontrol	1852.371	Part 371: Telecontrol
60050(721)	Chapter 721: Telegraphy, facsimile and data communication	—	
60870	Telecontrol equipment and systems	60870	Telecontrol equipment and systems
60870-1-4	Part 1: General considerations Section 4: Basic aspects of telecontrol data transmission and organization of standards IEC 60870-5 and IEC 60870-6	60870.1.4	Part 1.4: General considerations— Basic aspects of telecontrol data transmission and organization of standards IEC 60870-5 and IEC 60870-6
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60870-6-502	Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations—Section 502: TASE.1 Protocol definitions	—	
ISO		AS/NZS	
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AUSTRALIAN STANDARD

Telecontrol equipment and systems

Part 1.3: General considerations—Glossary

1 Scope and object

This technical report applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and control of geographicallywidespread processes.

This section of IEC 60870-1 covers those terms which are specifically relevant to telecontrol techniques as well as other terms which are necessary for the understanding of telecontrol standards.

This report also gives, where applicable, references to other dictionaries of electrical and electronic terms.

Terms which are considered to be well known by readers of telecontrol standards are not included in this report. This applies particularly in the field of communications where such terms as, for example, “information” and “bit” are commonplace and well understood.

2 Reference documents

The following standards contain provisions which, through reference in this text, constitute provisions of this section of the IEC 60870 series. At the time of publication, the editions of the reference documents indicated were valid. All standards are subject to revision, so readers are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60050(191): 1990, *International Electrotechnical Vocabulary (IEV) — Chapter 191: Dependability and quality of service*

IEC 60050(351): 1997, *International Electrotechnical Vocabulary (IEV) — Chapter 351: Automatic control*

IEC 60050(371): 1984, *International Electrotechnical Vocabulary (IEV) — Chapter 371: Telecontrol*

IEC 60050(721): 1992, *International Electrotechnical Vocabulary (IEV) — Chapter 721: Telegraphy, facsimile and data communication*

IEC 60870-1-4: 1994, *Telecontrol equipment and systems — Part 1: General considerations — Section 4: Basic aspects of telecontrol data transmission and organization of standards IEC 60870-5 and IEC 60870-6*

IEC 60870-2-1: 1995, *Telecontrol equipment and systems — Part 2: Operating conditions — Section 1: Power supply and electromagnetic compatibility*

IEC 60870-5-3: 1992, *Telecontrol equipment and systems — Part 5: Transmission protocols — Section 3: General structure of application data*

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