

AS 60870.1.4—1998
IEC 60870-1-4:1994

Australian Standard[®]

Telecontrol equipment and systems

Part 1.4: General considerations— Basic aspects of telecontrol data transmission and organization of Standards IEC 60870-5 and IEC 60870-6

[IEC title: 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]

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.

The following interests are represented on Committee IT/24:

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**Part 1.4: General considerations—
Basic aspects of telecontrol data
transmission and organization of
Standards IEC 60870-5 and
IEC 60870-6**

First published as AS 60870.1.4—1998.

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 870-1-4:1994, *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 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.

This Standard is identical to a pre-1997 document; therefore, it uses the old series of numbers.

The objective of this Standard is to provide manufacturers and users of telecontrol equipment and systems with a tutorial on transmission techniques, equipment and protocols in order to guide Australian users of Parts 5 and 6 of this Standard.

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

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50(371)	Chapter 371: Telecontrol	1852.371	Part 371: Telecontrol
50(721)	International Electrotechnical Vocabulary (IEV)— Chapter 721: Telegraphy, facsimile and data communications	—	
870	Telecontrol equipment and systems	60870	Telecontrol equipment and systems
870-1-1	Part 1: General considerations— Section One: General principles	60870.1.1	Part 1.1: General considerations— General principles
870-1-2	Part 1: General considerations— Section Two: Guide for specifications	60870.1.2	Part 1.2: General considerations— Guide for specifications
870-1-3	Part 1: General considerations— Section Three: Glossary	60870.1.3	Part 1.3: General considerations— Glossary
870-5-1	Part 5: Transmission protocols— Section One: Transmission frame formats	60870.5.1	Part 5.1: Transmission protocols— Transmission frame formats

IEC		AS	
870-5-2	Part 5: Transmission protocols— Section 2: Link transmission procedures	60870.5.2	Part 5.2: Transmission protocols— Link transmission procedures
870-5-3	Part 5: Transmission protocols— Section 3: General structure of application data	60870.5.3	Part 5.3: Transmission protocols— General structure of application data
870-5-4	Part 5: Transmission protocols— Section 4: Definition and coding of application information elements	60870.5.4	Part 5.4: Transmission protocols— Definition and coding of application information elements
870-5-5	Part 5: Transmission protocols— Section 5: Basic application functions (under consideration)	60870.5.5	Part 5.5: Transmission protocols— Basic application functions
870-5-x	Part 5: Transmission protocols— Section x: Telecontrol companion standards and profiles (under consideration)	—	
870-6-1	Part 6: Telecontrol protocols compatible with ISO and CCITT standards—Section 1: Application context and organization of standards (under consideration)	—	
870-6-2	Part 6: Telecontrol protocols compatible with ISO and CCITT standards—Section 2: Use of base standards (OSI layers 1-4) (under consideration)	—	
870-6-3	Part 6: Telecontrol protocols compatible with ISO and CCITT standards—Section 3: Use of base standards (OSI layers 5-7) (under consideration)	—	
870-6-4	Part 6: Telecontrol protocols compatible with ISO and CCITT standards—Section 4: Network management (under consideration)	—	
870-6-x	Part 6: Telecontrol protocols compatible with ISO and CCITT standards—Section x: Functional profiles (under consideration)	—	
ISO			
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7498	Information processing systems— Open Systems Interconnection — Basic reference model	2777	Information processing systems— Open Systems Interconnection— Basic reference model
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