

AS 60870.1.2—1998

IEC 60870-1-2:1989

Reconfirmed 2015

Australian Standard<sup>®</sup>

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## **Telecontrol equipment and systems**

### **Part 1.2: General considerations— Guide for specifications**

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[IEC title: Telecontrol equipment and systems, Part 1: General considerations, Section 2—Guide for specifications]

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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**RECONFIRMATION**

**OF**

**AS 60870.1.2—1998**

**Telecontrol equipment and systems**

**Part 1.2: General considerations—Guide for specifications**

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## NOTES

AS 60870.1.2—1998

Australian Standard<sup>®</sup>

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First published as AS 60870.1.2—1998.

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

ISBN 0 7327 1610 9

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## 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 60870-1-2:1989, *Telecontrol equipment and systems*, Part 1: *General considerations*, Section 2—*Guide for specifications*.

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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 guidelines for establishing their specifications in order to ensure their consistency with other such standards to be adopted in Australia.

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## AUSTRALIAN STANDARD

# Telecontrol equipment and systems

## Part 1.2: General considerations—Guide for specifications

### INTRODUCTION

Planning of telecontrol systems and defining the specifications of a system and of its equipment are complex and demand a large amount of detailed information. There are not only application functions of the system to be defined but also the operational parameters, the local environmental conditions and the data transmission paths available as well as their characteristics. The interfaces between the components of the system and other equipment facilities such as power supply requirements shall also be specified.

Many aspects of this field are covered by standards within the IEC 870 series on telecontrol equipment and systems but many decisions are still left to the engineers who have to plan a system and establish the specifications.

### 1. Scope

This series of standards applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and control of geographically widespread processes.

### 2. Object

This section presents guidelines but not standards for establishing specifications for telecontrol systems and equipment following the other IEC standards on telecontrol systems and other relevant international standards and recommendations such as CCITT recommendations. It also facilitates the comparison of equipment of different manufacturers.

The planning of telecontrol systems should be subdivided into clearly defined steps:

- The first step involves a consideration of the operational requirements of telecontrol systems (clause 3 of this section).
- In the second step, the conditions and limitations of the data transmission network are considered and the most suitable utilization is specified (clause 4 of this section).